

Name	Product	Manufacturer	Part #	Price	Storage Conditions	Link
Make Protein Purification Buffers and Media						
Salts (for Buffers)						
Potassium Hydroxide	Potassium hydroxide - ACS reagent, ≥85%, pellets	Sigma-Aldrich	221473-1KG	\$99.90	4C to 30C	[link]
Hydrochloric acid (1M)	Hydrochloric acid 1 N, Reagent Grade, Packaging=Amber Bottle, Size=500 mL	VWR	E447-500L	\$72.46	4C to 30C	[link]
HEPES	HEPES, Crystalline Powder, ≥99.5% (titration), Poly bottle	Sigma-Aldrich	H3375-500G	\$431.00	4C to 30C	[link]
Imidazole	ReagentPlus® Imidazole, Crystalline, 99%	Sigma-Aldrich	I202-500G	\$120.00	4C to 30C	[link]
Ammonium Chloride	Ammonium chloride,ACS reagent, ≥99.5%	Sigma-Aldrich	213330-500G	\$73.50	4C to 30C	[link]
Sodium Chloride	Sodium Chloride, Redi-Dri™, anhydrous, free-flowing, ACS, ≥99%	Sigma-Aldrich	746398-1KG	\$133.00	4C to 30C	[link]
Potassium Chloride	Potassium Chloride, ACS reagent, 99.0-100.5%	Sigma-Aldrich	P3911-1KG	\$146.00	4C to 30C	[link]
Magnesium Chloride hexahydrate	BioXtra Magnesium chloride, Hexahydrate, Powder or Crystals, ≥99.0%	Sigma-Aldrich	M2670-100G	\$50.50	4C to 30C	[link]
Supplements (for Buffers)						
Glycerol	Glycerol, Molecular Biology Grade, Liquid, ≥99.0%	Sigma-Aldrich	G5516-1L	\$157.00	4C to 30C	[link]
Lysozyme	Lysozyme from chicken egg white, protein ≥90%, ≥40,000 units/mg protein, lyophilized powder	Sigma-Aldrich	L6876-1G	\$76.90	-25C to -15C	[link]
TCEP-HCl (0.5M; presuspended)	Thermo Scientific, Bond-Breaker® Tris[2-Carboxyethyl] phosphine Neutral Solution (TCEP), Application=Water-Soluble Reducing Agent, Molecular Weight=286.65, Size=5 mL	Thermo Scientific	77720	\$175.65	4C to 30C	[link]
cOmplete Protease Inhibitor	cOmplete™ Protease Inhibitor Cocktail, EDTA-Free, Tablets	Roche	11873580001	\$472.00	1C to 4C	[link]
Media						

Name	Product	Manufacturer	Part #	Price	Storage Conditions	Link
LB	Luria Broth (Miller's LB Broth), Non-Sterile, 6.8 - 7.2, Molecular Biology Grade, suitable for regular E.coli culture, Powder	Sigma-Aldrich	L3522-1KG	\$221.00	4C to 30C	[link]
IPTG	Isopropyl β -D-thiogalactoside (IPTG), Powder, $\geq 99\%$ (TLC), $\leq 0.1\%$ Dioxane	Sigma-Aldrich	I6758-1G	\$89.90	-25C to -15C	[link]
Kanamycin	BioReagent Kanamycin sulfate, ≥ 750 ug/mg, From Streptomyces kanamyceticus, Suitable for cell culture, Suitable for plant cell culture, Powder	Sigma-Aldrich	K1377-1G	\$47.70	4C to 30C	[link]
<i>Consumables</i>						
15 mL centrifuge tubes	Corning® 15 mL PP Centrifuge Tubes, Rack Packed with CentriStar™ Cap, Sterile, 50/Rack, 500/Case	Corning	430790	\$230.44	4C to 30C	[link]
10 mL Luer lock syringes	Syringes with BD Luer-Lok® Tip, BD Medical, Syringe with Luer-Lok® Tip, Volume=10 mL	BD Industrial/Difco	550-80620-PK	\$102.40	4C to 30C	[link]
0.22 um syringe filters	PES Syringe Filter, 0.22 μ m, 30mm, Sterile	CELLTREAT Scientific Products	229747	\$84.00	4C to 30C	[link]
0.22 um vacuum filters	Corning® 500 mL Vacuum Filter/Storage Bottle System, 0.22 μ m Pore 33.2cm ² PES Membrane, Sterile, 12/Case	Corning	431097	\$187.14	4C to 30C	[link]
Prepare Columns						
<i>Columns</i>						
Columns	Empty Disposable PD-10 Columns	Cytiva	17043501	\$258.30	4C to 30C	
<i>Resin</i>						
Ni-His Resin	NEBExpress Ni Resin	New England Biolabs	S1428S	\$358.00	1C to 4C	
<i>Buffers</i>						
Potassium Hydroxide	Potassium hydroxide - ACS reagent, $\geq 85\%$, pellets	Sigma-Aldrich	221473-1KG	\$99.90	4C to 30C	
Hydrochloric acid (1M)	Hydrochloric acid 1 N, Reagent Grade, Packaging=Amber Bottle, Size=500 mL	VWR	E447-500L	\$72.46	4C to 30C	

Name	Product	Manufacturer	Part #	Price	Storage Conditions	Link
HEPES	HEPES, Crystalline Powder, ≥99.5% (titration), Poly bottle	Sigma-Aldrich	H3375-500G	\$431	4C to 30C	
Imidazole	ReagentPlus® Imidazole, Crystalline, 99%	Sigma-Aldrich	I202-500G	\$120	4C to 30C	
Ammonium Chloride	Ammonium chloride,ACS reagent, ≥99.5%	Sigma-Aldrich	213330-500G	\$73.50	4C to 30C	
Sodium Chloride	Sodium Chloride, Redi-Dri™, anhydrous, free-flowing, ACS, ≥99%	Sigma-Aldrich	746398-1KG	\$133.00	4C to 30C	
Magnesium Chloride hexahydrate	BioXtra Magnesium chloride, Hexahydrate, Powder or Crystals, ≥99.0%	Sigma-Aldrich	M2670-100G	\$50.50	4C to 30C	
TCEP-HCl (0.5M; presuspended)	Thermo Scientific, Bond-Breaker® Tris[2-Carboxyethyl] phosphine Neutral Solution (TCEP), Application=Water-Soluble Reducing Agent, Molecular Weight=286.65, Size=5 mL	Thermo Scientific	77720	\$175.65	4C to 30C	
Grow and Induce Expression Strains						
Media						
LB	Luria Broth (Miller's LB Broth), Non-Sterile, 6.8 - 7.2, Molecular Biology Grade, suitable for regular E.coli culture, Powder	Sigma-Aldrich	L3522-1KG	\$221	4C to 30C	[link]
IPTG	Isopropyl β-D-thiogalactoside (IPTG), Powder, ≥99% (TLC), ≤0.1% Dioxane	Sigma-Aldrich	I6758-1G	\$89.90	-25C to -15C	[link]
Kanamycin	BioReagent Kanamycin sulfate, ≥750 ug/mg, From Streptomyces kanamyceticus, Suitable for cell culture, Suitable for plant cell culture, Powder	Sigma-Aldrich	K1377-1G	\$47.70	4C to 30C	[link]
Culture Tubes						
Culture tubes	Culture Tube, PS, 14mL, 18x95mm, Sterile, TC Treated, w/ Snap (Vent) Cap	Greiner Bio-One	191160	\$258.15	4C to 30C	[link]
Flasks						

Name	Product	Manufacturer	Part #	Price	Storage Conditions	Link
250 mL baffled flasks	PYREX® 250 mL Delong Shaker Erlenmeyer Flask with Baffles	Pyrex	4444-250	\$188.26	4C to 30C	[link]
flask closures	Chemglass Life Sciences Closure, 38mm, Stainless Steel	Chemglass Life Sciences	Chemglass Life Sciences Closure, 38mm, Stainless Steel	\$100.75	4C to 30C	[link]
Prepare Bacterial Lysates						
Sonicator						
Sonicator	Q700 Sonicator	QSonica	Q700A-110	\$5,500	4C to 30C	[link]
Sonicator Probe	Standard Probe, Replaceable Tip, 1/2" (12.7mm) diameter	QSonica	4220	\$670	4C to 30C	[link]
Sound Enclosure	Sound Enclosure	QSonica	432B2	\$995	4C to 30C	[link]
Lab Jack	Fisherbrand™ Lab Jacks (15cmx15cm)	Fisher Scientific	14-673-51	\$484	4C to 30C	[link]
Consumables						
15 mL centrifuge tubes	Corning® 15 mL PP Centrifuge Tubes, Rack Packed with CentriStar™ Cap, Sterile, 50/Rack, 500/Case	Corning	430790	\$230.44	4C to 30C	[link]
10 mL Luer Lock Syringes	Syringes with BD Luer-Lok® Tip, BD Medical, Syringe with Luer-Lok® Tip, Volume=10 mL	BD Industrial/Difco	550-80620-PK	\$102.40	4C to 30C	[link]
0.45 um syringe filters	PES Syringe Filter, 0.45µm, 30mm, Sterile	CELLTREAT Scientific Products	229749	\$84	4C to 30C	[link]
Salts (for Buffers)						
Potassium Hydroxide	Potassium hydroxide - ACS reagent, ≥85%, pellets	Sigma-Aldrich	221473-1KG	\$99.90	4C to 30C	[link]
HEPES	HEPES, Crystalline Powder, ≥99.5% (titration), Poly bottle	Sigma-Aldrich	H3375-500G	\$431	4C to 30C	[link]
Ammonium Chloride	Ammonium chloride,ACS reagent, ≥99.5%	Sigma-Aldrich	213330-500G	\$73.50	4C to 30C	[link]
Sodium Chloride	Sodium Chloride, Redi-Dri™, anhydrous, free-flowing, ACS, ≥99%	Sigma-Aldrich	746398-1KG	\$133.00	4C to 30C	[link]
Magnesium Chloride hexahydrate	BioXtra Magnesium chloride, Hexahydrate, Powder or Crystals, ≥99.0%	Sigma-Aldrich	M2670-100G	\$50.50	4C to 30C	[link]
Supplements (for Buffers)						

Name	Product	Manufacturer	Part #	Price	Storage Conditions	Link
Lysozyme	Lysozyme from chicken egg white, protein ≥90%, ≥40,000 units/mg protein, lyophilized powder	Sigma-Aldrich	L6876-1G	\$76.90	-25C to -15C	[link]
TCEP-HCl (0.5M; presuspended)	Thermo Scientific, Bond-Breaker® Tris[2-Carboxyethyl] phosphine Neutral Solution (TCEP), Application=Water-Soluble Reducing Agent, Molecular Weight=286.65, Size=5 mL	Thermo Scientific	77720	\$175.65	4C to 30C	[link]
cOmplete Protease Inhibitor	cOmplete™ Protease Inhibitor Cocktail, EDTA-Free, Tablets	Roche	11873580001	\$472	1C to 4C	[link]
Perform Ni-His Purification by Gravity Column						
<i>Columns</i>						
Columns	Empty Disposable PD-10 Columns	Cytiva	17043501	\$258.30	4C to 30C	[link]
<i>Resin</i>						
Ni-His Resin	NEBExpress Ni Resin	New England Biolabs	S1428S	\$358.00	1C to 4C	[link]
<i>Consumables</i>						
15 mL centrifuge tubes	Corning® 15 mL PP Centrifuge Tubes, Rack Packed with CentriStar™ Cap, Sterile, 50/Rack, 500/Case	Corning	430790	\$230.44	4C to 30C	[link]
<i>Buffers</i>						
Potassium Hydroxide	Potassium hydroxide - ACS reagent, ≥85%, pellets	Sigma-Aldrich	221473-1KG	\$99.90	4C to 30C	[link]
Hydrochloric acid (1M)	Hydrochloric acid 1 N, Reagent Grade, Packaging=Amber Bottle, Size=500 mL	VWR	E447-500L	\$72.46	4C to 30C	[link]
HEPES	HEPES, Crystalline Powder, ≥99.5% (titration), Poly bottle	Sigma-Aldrich	H3375-500G	\$431	4C to 30C	[link]
Imidazole	ReagentPlus® Imidazole, Crystalline, 99%	Sigma-Aldrich	I202-500G	\$120	4C to 30C	[link]
Ammonium Chloride	Ammonium chloride, ACS reagent, ≥99.5%	Sigma-Aldrich	213330-500G	\$73.50	4C to 30C	[link]
Sodium Chloride	Sodium Chloride, Redi-Dri™, anhydrous, free-flowing, ACS, ≥99%	Sigma-Aldrich	746398-1KG	\$133.00	4C to 30C	[link]

Name	Product	Manufacturer	Part #	Price	Storage Conditions	Link
Potassium Chloride	Potassium Chloride, ACS reagent, 99.0-100.5%	Sigma-Aldrich	P3911-1KG	\$146.00	4C to 30C	[link]
Magnesium Chloride hexahydrate	BioXtra Magnesium chloride, Hexahydrate, Powder or Crystals, ≥99.0%	Sigma-Aldrich	M2670-100G	\$50.50	4C to 30C	[link]
TCEP-HCl (0.5M; presuspended)	Thermo Scientific, Bond-Breaker® Tris[2-Carboxyethyl] phosphine Neutral Solution (TCEP), Application=Water-Soluble Reducing Agent, Molecular Weight=286.65, Size=5 mL	Thermo Scientific	77720	\$175.65	4C to 30C	[link]
Perform Buffer Exchange and Concentration by Spin Filtration						
15 mL spin filters (3 kDa cutoff)	Amicon® Ultra Centrifugal Filter, 3 kDa MWCO	Millipore Sigma	UFC9003	\$125	4C to 30C	[link]
0.5 mL spin filters (3 kDa cutoff)	Amicon® Ultra Centrifugal Filter, 3 kDa MWCO	Millipore Sigma	UFC5003	\$63	4C to 30C	[link]
Pierce660 Assay						
<i>Reagents</i>						
Pierce660 Reagent	Pierce™ 660nm Protein Assay Reagent	Thermo Scientific	22660	\$176.65	4C to 30C	[link]
BSA Protein Standard	Pierce™ Bovine Serum Albumin Standard Ampules, 2 mg/mL	Thermo Scientific	23209	\$81.65	4C to 30C	[link]
<i>Consumables</i>						
96-well optical plate	Microplate, 96 well, PS, U-bottom, clear	Greiner	650101	\$156.14	4C to 30C	[link]
Assemble Amino Acid Mix						
Amino Acids	L-Amino acids, analytical standard	Sigma-Aldrich	LAA21-1KT	\$558	1C to 4C	[link]
Potassium Hydroxide	Potassium hydroxide - ACS reagent, ≥85%, pellets	Sigma-Aldrich	221473-1KG	\$99.90	4C to 30C	[link]
Acetic Acid (glacial)	Acetic acid, glacial, ACS reagent, ≥99.7%	Sigma-Aldrich	695092-100ML	\$52.20	4C to 30C	[link]
Assemble Energy Mix						
Potassium Hydroxide	Potassium hydroxide - ACS reagent, ≥85%, pellets	Sigma-Aldrich	221473-1KG	\$99.90	4C to 30C	[link]
HEPES	HEPES, Crystalline Powder, ≥99.5% (titration), Poly bottle	Sigma-Aldrich	H3375-500G	\$431	4C to 30C	[link]

Name	Product	Manufacturer	Part #	Price	Storage Conditions	Link
Potassium Glutamate	L-Glutamic acid potassium monohydrate	Sigma-Aldrich	G1501-100G	\$74.80	4C to 30C	[link]
Magnesium acetate	Magnesium acetate tetrahydrate	Sigma-Aldrich	M0631-100G	\$34.80	4C to 30C	[link]
rATP	Adenosine 5'-triphosphate disodium salt hydrate, BioXtra, ≥99% (HPLC), from microbial	Sigma-Aldrich	A7699-1G	\$125.00	-25C to -15C	[link]
rGTP	Guanosine 5'-triphosphate sodium salt hydrate, ≥ 95% (HPLC), powder	Sigma-Aldrich	G8877-100MG	\$155	-25C to -15C	[link]
rCTP	Cytidine 5'-triphosphate disodium salt, ≥95%	Sigma-Aldrich	C1506-100MG	\$102.00	-25C to -15C	[link]
rUTP	Uridine 5'-triphosphate trisodium salt hydrate, Type IV, ≥93.0% (HPLC)	Sigma-Aldrich	U6750-100MG	\$58.20	-25C to -15C	[link]
Creatine phosphate	Sodium creatine phosphate dibasic tetrahydrate, ≥98.0%(NT)	Sigma-Aldrich	27920-1G	\$102	-25C to -15C	[link]
TCEP-HCl (0.5M; presuspended)	Thermo Scientific, Bond-Breaker® Tris[2-Carboxyethyl] phosphine Neutral Solution (TCEP), Application=Water-Soluble Reducing Agent, Molecular Weight=286.65, Size=5 mL	Thermo Scientific	77720	\$175.65	4C to 30C	[link]
Folinic acid	Folinic acid calcium salt hydrate	Sigma-Aldrich	F7878-100MG	\$108	4C to 30C	[link]
Spermidine	Spermidine, ≥99% (GC)	Sigma-Aldrich	S2626-5G	\$176	-25C to -15C	[link]
tRNAs	Ribonucleic acid, transfer from Escherichia coli (Type XX, Strain W, lyophilized)	Sigma-Aldrich	R1753-100UN	\$69.00	-25C to -15C	[link]
Amino Acids	Amino Acid Mix (3.25 mM; see Assemble Amino Acid Mix)				-80C to -20C	
Make tRNAs						
Reagents						
Acid Phenol	Invitrogen™ Acid-Phenol: Chloroform, pH 4.5 (with IAA, 125:24:1)	Fischer Scientific	AM9720	\$122.65	4C	[link]
Chloroform	Chloroform, 99+%, extra pure, stabilized with ethanol	Thermo scientific	158210010	\$126.90	RT	[link]

Name	Product	Manufacturer	Part #	Price	Storage Conditions	Link
Ethanol	Ethyl alcohol, Pure, ≥99.5%, HPLC/spectrophotometric grade, 200 proof, suitable for UV/Vis spectroscopy and HPLC	Sigma-Aldrich	459828	\$178.00	RT	[link]
Isopropanol	2-Propanol, ≥99.5%, ACS reagent, suitable for RNA extraction	Sigma-Aldrich	190764	\$79.20	RT	[link]
Magnesium Acetate	Magnesium acetate tetrahydrate analytical reagent	VWR Chemicals	0131-500G	\$57.96	RT	[link]
Sodium Acetate	Sodium acetate trihydrate, ACS reagent, ≥99%	Sigma-Aldrich	236500	\$81.80	RT	[link]
Sodium Chloride	Sodium chloride, anhydrous, Redi-Dri™, free-flowing, ACS reagent, ≥99%	Sigma-Aldrich	746398	\$82.20	RT	[link]
Acetic Acid	Acetic Acid, Glacial (Certified ACS), Fisher Chemical™	Fischer Scientific	A38-500	\$148.90	RT	[link]
SYBR-Green	SYBR™ Green I Nucleic Acid Gel Stain, 10,000X concentrate in DMSO	Invitrogen	S7563	\$396.46	-20C (light sensitive)	[link]
ssRNA Ladder (low range)	Low Range ssRNA Ladder	NEB	N0364S	\$84.00	-20C	[link]
RNAse Zap	RNAseZap™ RNase Decontamination Solution	Invitrogen	AM9780	\$96.65	RT	[link]
Luria Broth (LB)	LB Broth (Miller)	Sigma-Aldrich	L3522	\$78.30	RT	[link]
Materials						
10% TBE-Urea Gel	Novex™ TBE-Urea Gels, 10%	Invitrogen	EC68755BOX	\$225.65	4C	[link]
Slide-A-Lyzer dialysis cassette (3.5kDa)	Slide-A-Lyzer™ G3 Dialysis Cassettes, 3.5K MWCO	Thermo Scientific	A52966	\$136.65	RT	[link]
RNAse Alert Lab Test Kit	Invitrogen™ RNaseAlert™ Lab Test Kit	Invitrogen	AM1964	\$334.00	-20C	[link]
10 mL Glass Serological Pipets	PYREX® Disposable Glass Serological Pipets, Individually Wrapped, Sterile, Plugged, To Deliver	Corning	7077-10N	\$117.59	RT	[link]
Cell Culture Tube	Tube, 14 mL, PS, 18/95 mm, round bottom, two-position vent stopper, clear, sterile	Greiner Bio-One	191180	\$291.20	RT	[link]
Make Ribosomes						
Buffers and Media						

Name	Product	Manufacturer	Part #	Price	Storage Conditions	Link
LB	Luria Broth (Miller's LB Broth), Non-Sterile, 6.8 - 7.2, Molecular Biology Grade, suitable for regular E.coli culture, Powder	Sigma-Aldrich	L3522-1KG	\$221	4C to 30C	[link]
HEPES	HEPES, Crystalline Powder, ≥99.5% (titration), Poly bottle	Sigma-Aldrich	H3375-500G	\$431	4C to 30C	[link]
Ammonium Chloride	Ammonium chloride, ACS reagent, ≥99.5%	Sigma-Aldrich	213330-500G	\$73.50	4C to 30C	[link]
Ammonium Sulfate	Ammonium sulfate, BioXtra, ≥99.0%	Sigma-Aldrich	A2939-1KG	\$171.00	4C to 30C	[link]
Magnesium acetate	Magnesium acetate tetrahydrate	Sigma-Aldrich	M0631-100G	\$34.80	4C to 30C	[link]
Potassium Chloride	Potassium Chloride, ACS reagent, 99.0-100.5%	Sigma-Aldrich	P3911-1KG	\$146.00	4C to 30C	[link]
Sodium Chloride	Sodium Chloride, Redi-Dri™, anhydrous, free-flowing, ACS, ≥99%	Sigma-Aldrich	746398-1KG	\$133.00	4C to 30C	[link]
Sodium hydroxide	Sodium hydroxide, ACS Reagent Grade, Pellets, ≥97.0%, Poly bottle	Sigma-Aldrich	221465-1KG	\$97.63	4C to 30C	[link]
Sucrose	Sucrose, bioultra, for molecular biology, ≥99.5% (HPLC)	Sigma-Aldrich	84097-1KG	\$144.00	4C to 30C	[link]
TCEP-HCl (0.5M)	Thermo Scientific, Bond-Breaker® Tris[2-Carboxyethyl] phosphine Neutral Solution (TCEP), Application=Water-Soluble Reducing Agent, Molecular Weight=286.65, Size=5 mL	Thermo Scientific	77720	\$175.65	4C to 30C	[link]
Acetic Acid (glacial; 17.4 M)	Acetic Acid, Glacial (Certified ACS), Fisher Chemical	Fischer Scientific	A38-212	\$248.65	4C to 30C	[link]
Ethanol	Ethyl alcohol, Pure, ≥99.5%, HPLC/spectrophotometric grade, 200 proof,	Sigma-Aldrich	459828	\$178.00	4C to 30C	[link]
Cell culture						
Culture tubes	Culture Tube, PS, 14mL, 18x95mm, Sterile, TC Treated, w/ Snap (Vent) Cap	Greiner Bio-One	191180	\$258.15	4C to 30C	[link]
2L baffled flasks	PYREX® 2L Delong Shaker Erlenmeyer Flask with Baffles	Corning	4444-2L	\$93.63	4C to 30C	[link]

Name	Product	Manufacturer	Part #	Price	Storage Conditions	Link
Flask closures	Chemglass Life Sciences Closure, 38mm, Stainless Steel	Chemglass Life Sciences	Chemglass Life Sciences Closure, 38mm, Stainless Steel	\$100.75	4C to 30C	
1L centrifuge bottles	Fiberlite 1000mL Bottles	Thermo Scientific	010-1491	\$296.14	4C to 30C	[link]
Liquid Nitrogen	-	-	-	-	-	-
Cell lysis						
50 mL conical tubes	Corning® 50 mL Polypropylene Centrifuge Tubes, Sterile, Racked, CentriStar™ Cap	Corning	430828	\$436.88	4C to 30C	[link]
15 mL centrifuge tubes	Corning® 15 mL PP Centrifuge Tubes, Rack Packed with CentriStar™ Cap, Sterile, 50/Rack, 500/Case	Corning	430790	\$230.44	4C to 30C	[link]
10 mL Luer lock syringes	Syringes with BD Luer-Lok® Tip, BD Medical, Syringe with Luer-Lok® Tip, Volume=10 mL	BD Industrial/Difco	550-80620-PK	\$102.40	4C to 30C	[link]
0.22 um syringe filters	PES Syringe Filter, 0.22µm, 30mm, Sterile	CELLTREAT Scientific Products	229747	\$84	4C to 30C	[link]
<i>FPLC purification</i>						
5mL Butyl HIC columns	HiTrap Butyl HP column, 5 x 5 mL	Cytiva	28411005	\$659.00	4C to 30C before opening; 1C to 4C after opening	[link]
<i>Ultracentrifugation</i>						
Ultracentrifuge bottles	70 mL, Polycarbonate Bottle Assembly, 38 x 102 mm - 6Pk	Beckman Coulter	355622	\$618.40	4C to 30C	[link]
<i>QC and Storage</i>						
Tris-Glycine 4% - 20% gels	4–20% Mini-PROTEAN® TGX™ Precast Protein Gels, 10-well, 50 µl	BioRad	4561094	\$153.00	1C to 4C	[link]
Laemmli Buffer (6x)	Laemmli SDS-Sample Buffer (6X, Reducing)	Boston BioProducts	BP-111R	\$42.00	4C to 30C	[link]
Rapid protein stain	Pageblue™ Protein Staining Solution	Thermo Scientific	24620	\$153.65	4C to 30C	[link]
3 kDa, 4 mL centrifugal filters	Amicon® Ultra Centrifugal Filter, 3 kDa MWCO	Millipore	UFC800308	\$74.60	4C to 30C	[link]
Assemble PURE Reactions						
Energy Mix (e.g., NEB PURE Solution A)	PURExpress® In Vitro Protein Synthesis Kit	New England Biolabs	E6800	\$295.00	-85C to -75C	[link]

Name	Product	Manufacturer	Part #	Price	Storage Conditions	Link
Protein Mix (e.g., NEB PURE Solution B)	PURExpress® In Vitro Protein Synthesis Kit	New England Biolabs	E6800	\$295.00	-85C to -75C	[link]
RNAse inhibitor	RNAse Inhibitor, Murine	New England Biolabs	M0314S	\$81.00	-25C to -15C	[link]
Nuclease Free water	DEPC-Treated water	ThermoFisher Scientific	AM9916	\$147.00	4C to 30C	[link]
PCR tube	Thin-walled, frosted lid, RNAse-free PCR tubes	ThermoFisher Scientific	AM12225	\$205.00	4C to 30C	[link]
DNA template (here: pT7-plamGFP)	User supplied	DNA Distribution	-	-	-25C to -15C	-