

Materials List for:

Protein Complex Affinity Capture from Cryomilled Mammalian Cells

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Materials

Name	Company	Catalog Number	Comments
Growth media & cell culturing implements			For producing frozen cells (I)
500 cm ² culture dishes	Corning	431110	For producing frozen cells (I)
Large beaker (1-2 L)			For producing frozen cells (I)
Rectangular ice pan	Fisher Scientific	13-900-747	For producing frozen cells (I), & cryomilling (II)
Phosphate buffered saline (PBS)			For producing frozen cells (I)
Large cell scrapers	Fisher Scientific	08-100-242	For producing frozen cells (I)
Liquid nitrogen			For producing frozen cells (I), cryomilling (II), & affinity capture (III)
50 ml conical tubes	Corning	352098	For producing frozen cells (I), & cryomilling (II)
20 ml Luer lock syringe			For producing frozen cells (I)
Luer lock syringe caps	www.dymax.com	T11182	For producing frozen cells (I)
Refrigerated centrifuge			For producing frozen cells (I)
50 ml tube rack, 4 position			For producing frozen cells (I), cryomilling (II), & affinity capture (III)
Styrofoam box			For producing frozen cells (I), cryomilling (II), & affinity capture (III)
Planetary ball mill, PM 100	Retsch	20.540.0001	For cryomilling (II)
Stainless steel milling jar, 50 ml	Retsch	01.462.0149	For cryomilling (II)
Stainless steel milling balls, 20 mm Ø	Retsch	05.368.0062	For cryomilling (II)
Lid gasket: PFA encapsulated spring energized seal, 2.62 mm 44.63 mm	www.marcorubber.com	T1044-2.62x44.63	For cryomilling (II)
mini-LN ₂ decanter	homemade	see Ref 19	For cryomilling (II)
250 ml PTFE jar insulator (optional)	homemade	The Rockefeller University	For cryomilling (II); can be produced by The Rockefeller University High Energy Physics Instrument Shop, or design blueprints provided, upon request
PTFE puck insulator (optional)	homemade	The Rockefeller University	For cryomilling (II); can be produced by The Rockefeller University High Energy Physics Instrument Shop, or design blueprints provided, upon request.

5 bar/500 kPa pressure relief valve (optional)	http://www.leeimh.com/	558 series check valve	For cryomilling (II)
1.5-2 ml microfuge tubes			For affinity capture (III)
Extractant			For affinity capture (III)
Complete EDTA free protease inhibitor cocktail tablets	Roche Applied Science	11873580001	For affinity capture (III)
Vortex mixer			For affinity capture (III)
Ice bucket			For affinity capture (III)
Microtip sonicator, Q700	Qsonica	Q700	For affinity capture (III)
low intensity 1/16" microtip probe	Qsonica	4717	For affinity capture (III)
Bench-top refrigerated microcentrifuge			For affinity capture (III)
Dynabeads M-270 Epoxy	Thermo Fisher	14302D	For affinity capture (III)
Antibody or affinity ligand coupled to Dynabeads	homemade		For affinity capture (III); see reference 19
Sample rotator			For affinity capture (III)
Neodymium magnet	Life Technologies	123-21D	For affinity capture (III)
SDS-PAGE sample buffer (no reducing agent)			For affinity capture (III)
DTT			For affinity capture (III)
SDS-PAGE system			For affinity capture (III)
SDS-polyacrylamide gel			For affinity capture (III)
Protein Stain			For affinity capture (III)