

Materials List for:

Detergent-Assisted Reconstitution of Recombinant Drosophila Atlastin into Liposomes for Lipid-Mixing Assays

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Materials

Name	Company	Catalog Number	Comments
10 mL poly-prep chromatography columns	Biored	731-1550	
10 x 75 mm Flint glass tubes	VWR	608225-402	
47 mm diameter, 0.45um pore whatman sterile membrane filters	Whatman	7141 104	
96 well white plate	NUNC	437796	
Anapoe X-100	Anatrace	9002-931-1	
Cell disrupter	Avestin	Avestin Emulsiflex C3	
DOPS (1,2-dioleoyl-sn-glycero-3-phospho-L-serine (sodium salt))	Avanti	840035P-10mg	DOPS
EDTA	Research organics inc.	6381-92-6	Ethylenediaminetetraacetic acid
EDTA-free protease inhibitor cocktail	Roche	11873580001	Complete protease inhibitor
Extruder	Sigma Aldrich	Z373400	Liposofast Basic Extruder
GE Akta Prime liquid chromatography system	GE Pharmacia	8149-30-0006	
Glutathione agarose beads	Sigma aldrich	G4510-50ml	
Glycerol	EMD	GX0185-5	
GTP	Sigma Aldrich	36051-31-7	Guanosine 5' triphosphate sodium salt hydrate
HEPES, acid free	Omnipur	5330	
Imidazole	fluka	5670	
Immobilized metal affinity chromatography (IMAC) resin column	GE Healthcare	17040801	1 mL HiTrap Chelating HP immobilized metal affinity chromatography columns
Iohexol	Accurate chemical and scientific corporation	AN 7050 BLK	Accudenz/Nycodenz
IPTG	Research products international corp.	I56000-100.0	IPTG, dioxane free
L-Glutathione reduced	Sigma-Aldrich	G4251-5g	
Magnesium chloride	Fisher	7791-18-6	
Methanol	Omnisolv	MX0488-1	
NBD-DPPE (1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine-N-(7-nitro-2-1,3-benzoxadiazol-4-yl) (ammonium salt))	Avanti	236495	NBD-DPPE
n-Dodecyl β-D-maltoside	Chem-Impex International	21950	
Nonpolar polystyrene adsorbent beads	BioRad	152-3920	SM2 Biobeads

Nuclepore track-etch polycarbonate 19 mm 0.1 um pore membrane	Whatman	800309	
Optima LE80K Ultra centrifuge	Beckman Coulter		
Phosphatidylcholine, L- α -dipalmitoyl [choline methyl-3H]	ARC	ART0284	Titrated lipids
Plate reader	TECAN	TECAN infinite M200 plate reader	
POPC (1-palmitoyl-2-oleoyl-glycero-3-phosphocholine)	Avanti	850457C-25mg	POPC
Potassium chloride	MP	151944	
Rh-DPPE (1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine-N-(lissamine rhodamine B sulfonyl) (ammonium salt))	Avanti	236495	Rh-DPPE
Scintillation Cocktail	National Diagnostics	LS-272	Ecoscint XR Scintillation solution for aqueous or non-aqueous samples
Scintillation vials	Beckman	592928	Fast turn cap Mini Poly-Q Vial
Thrombin	Sigma	T1063-1kU	Thrombin from human plasma
Triton X-100	Fisher	BP151-500	
Ultra-clear centrifuge tubes 5 x 41 mm	Beckman	344090	
Vortex 9 to 13mm Tube Holder	VWR	58816-138	Insert for vortexing flint glass tubes
Vortex Insert Retainer	VWR	58816-132	Retainer needed for vortex tube holder
Vortexer	VWR	2.235074	Vortex Genie 2 model G560
β -mercaptoethanol molecular biology grade	Calbiochem	444203	