Materials List for:

Method to Visualize and Analyze Membrane Interacting Proteins by Transmission Electron Microscopy

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Materials

Name	Company	Catalog Number	Comments
Transmission electron microscope: JEOL2100F	JEOL		
CCD camera	Tiez Video and Imaging Processing System GmbH, Germany		
Glow discharger	Baltec		
TEM grid: 400 mesh	TAAB	GM016/C	
Size exclusion chromatography: Agilent SEC-5	Agilent Technologies	5190-2526	
Superdex 200 HR 10/300	GE Healthcare Life Sciences	17-5172-01	
Plasmid: MSP1E3D1	Addgene	20066	
Bacteria: BL21DE3	NEB	C2527H	
Bacteria: BL21 (DE3) T1R pRARE2	Protein Science Facility, KI, Solna		
Purification Matrix: ATP agarose	Sigma Aldrich	A2767	
Purification Matrix: HisTrap HP-5 mL	GE Healthcare Life Sciences	17-5247-01	
Lipid: POPC	Avanti polar lipids	850457C	25 mg/mL in chloroform
Hydrophobic beads: Bio-Beads, SM-2 Resin	Bio-Rad	1523920	
13 mm syringe filter: 0.2 µm	Pall life sciences	PN 4554T	
Stain: Sodium phosphotungstate tribasic hydrate	Sigma Aldrich	31648	
2-mercaptoethanol	Sigma Aldrich	M3148-250ML	
Sodium Dodecyl Sulfate (SDS)	Bio-Rad	161-0301	
Protease inhibitor cocktail	Sigma Aldrich	4693132001	
TCEP	Sigma Aldrich	646547	
Detergent: Sodium cholate hydrate	Sigma Aldrich	C6445-10G	
Sodium Cholate			500 mM Sodium cholate. Resuspend in miliQ water and store at -20 °C.
Lipid Stock			50 mM POPC, 100 mM sodium cholate, 20 mM Tris-HCl pH 7.5, 100 mM NaCl. Store at 4 °C for a week; or Store -80 °C for a month, after purging the solution with nitrogen.
MSP standard buffer			20 mM Tris-HCl, pH 7.5, 100 mM NaCl, 0.5 mM EDTA. Store at 4 °C.

Non-Denaturaing Electrophoresis Anode Buffer	Thermo Fisher Scientific	BN2001	50 mM Bis-Tris, 50 mM Tricine, pH 6.8
Non-Denaturaing Electrophoresis Cathode Buffer	Thermo Fisher Scientific	BN2002	50 mM Bis-Tris, 50 mM Tricine, pH 6.8, 0.002% Coomassie G-250
Non-Denaturaing Electrophoresis 4x Sample loading Buffer	Thermo Fisher Scientific	BN2003	50 mM Bis-Tris, pH 7.2, 6 N HCl, 50 mM NaCl, 10% (w/v) glycerol, 0.001% Ponceau S
Denaturaing Electrophoresis Running Buffer			In-house recipe: 25 mM Tris-HCl, pH 6.8, 200 mM Glycine, 0.1% (w/v) SDS
Denaturaing Electrophoresis 5x Sample loading Buffer			In-house recipe: 0.05% (w/v) Bromophenolblue, 0.2 M Tris-HCl, pH 6.8, 20% (v/v) glycerol, 10% (w/v) SDS, 10 mM 2-mercaptoethanol
Terrific broth			Tryptone - 12.0 g, Yeast Extract - 24.0 g, 100 mL 0.17 M KH_2PO_4 and 0.72 M K_2HPO_4, Glycerol - 4 mL. Tryptone, yeast extract and glycerol were prepared to 900 mL and autoclaved seperately. KH_2PO_4 and K_2HPO_4 were prepared and autoclaved separately. Both were mixed before using the medium.