

Materials List for:

Proteomics to Identify Proteins Interacting with P2X2 Ligand-Gated Cation Channels

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Materials

Name	Type	Company	Catalog Number	Comments
Acetonitrile	Reagent	JT Baker	9829-02	
Acrylamide	Reagent	Bio-Rad	161-0156	
Ampicillin	Reagent	VWR international	VW1507-01	
Ammonium Bicarbonate	Reagent	Fluka	09830	
Ammonium Persulphate (APS)	Reagent	Sigma-Aldrich	A3678	
Adenosine Triphosphate (ATP)	Reagent	Sigma-Aldrich	A7699	
Bradford reagent	Reagent	Bio-Rad	500-0006	
Bromophenol blue	Reagent	Fisher Scientific	B-392	
Commassie blue R-250	Reagent	Santa Cruz Biotechnology, Inc.	Sc-24972	
Dithiothritol (DTT)	Reagent	EMD Millipore	3860	
Ethylenediaminetetraacetic acid (EDTA)	Reagent	VWR international	VW1474-01	
Ethylene Glycol tetraacetic acid (EGTA)	Reagent	Sigma-Aldrich	E8145	
Formic acid	Reagent	EMD Millipore	11670-1	
Glutathione Sepharose 4B beads	Reagent	GE Healthcare	17-5132-01	
Hydrochloric acid (HCl)	Reagent	Sigma-Aldrich	H1758	
Isopropyl-beta-D-thiogalactopyranoside (IPTG)	Reagent	Sigma-Aldrich	15502	
Iodoacetamide	Reagent	Sigma-Aldrich	I1149	
Luria-Bertani (LB) Media	Reagent	EMD Millipore	1.00547.5007	
Leupeptin	Reagent	Sigma-Aldrich	L8511	
Lysozyme	Reagent	Sigma-Aldrich	62971	
Magnesium Sulphate (MgSO ₄)	Reagent	Sigma-Aldrich	S7653	
Sodium Chloride (NaCl)	Reagent	Sigma-Aldrich	S3014	
Sodium Fluoride (NaF)	Reagent	Sigma-Aldrich	S7920	
Sodium Orthovanadate (Na ₃ VO ₄)	Reagent	Sigma-Aldrich	S6508	
Nonidet P40	Reagent	Fluka	74385	

Phenylmethanesulphonyl fluoride (PMSF)	Reagent	Sigma-Aldrich	P7626	
Protease inhibitor tablet	Reagent	Sigma-Aldrich	S8820	
Protein standard	Reagent	Bio-Rad	161-0305	
Sarkosyl	Reagent	Acros Organics	61207	
Screw top vial	Tool	Agilent Technologies	5182-0866	
Sodium dodecyl sulfate	Reagent	Sigma-Aldrich	L4509	
SYPRO® Ruby protein gel stain	Reagent	Bio-Rad	170-3125	
N,N,N',N'-Tetramethylethylenediamine (TEMED)	Reagent	Sigma-Aldrich	T9281	
Tris base	Reagent	Sigma-Aldrich	T1503	
Triton X-100	Reagent	Sigma-Aldrich	T9284	
Trypsin	Reagent	Promega Corp.	V5111	
Tween 20	Reagent	Sigma-Aldrich	P5927	
Water	Reagent	Burdick & Jackson	365-4	
LTQ-Orbitrap tandem mass spectrometer	Tool	Thermo Fisher Scientific, Inc.		
Nano Liquid Chromatography System	Tool	Eksigent		
B-Mercapt-ethanol	Reagent	Sigma-Aldrich	M6250	
Glycerol		EMD Millipore	GX0185-6	