

Materials List for:

Budding Yeast Protein Extraction and Purification for the Study of Function, Interactions, and Post-translational Modifications

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Materials

Name	Company	Catalog Number	Comments
Omni Bead Ruptor 24	Omni International	19-010	
Yeast ORF strain in BG1805	ThermoScientific	YSC3869	GAL+ yeast strain that can be used for induction and extraction
pYES2.1 TOPO vector	Life Technologies	K4150-01	GAL+ yeast strain that can be used for induction and extraction; contains a V5/6xHIS tag
Halt Protease Inhibitor Single-Use Cocktail (100x)	Thermo Scientific	1860932	
2.0 ml Skirted Tube with Tethered Screw Cap	BioExpress	C-3369-3	Make sure that the tube properly fits in the bead ruptor
Glass beads, acid-washed, 425-600 µm (30-40 US sieve)	Sigma-Aldrich	G8772	
Corning Costar Spin-X centrifuge tube filters	Sigma-Aldrich	CLS8161	Use for additional filtering of clarified lysate
TALON Metal Affinity Resin	Clontech	635502	For the purification of 6xHIS tagged proteins
NuPAGE LDS Sample Buffer (4x)	Life Technologies	□ NP0007	To prepare and/or elute samples prior to SDS-PAGE and Western Blotting
NuPAGE 4-12% Bis-Tris Gel	Life Technologies	□ NP0321BOX	Precast gels often used for SDS- PAGE prior to Western Blotting
Simply Blue	Life Technologies	#LC6060	Protein gel stain
Mammalian Lysis Buffer	Promega	G 9381	Alternative commercial lysis buffer
Anti-V5 agarose	Sigma	A7345	Method of immunoprecipitation
ECL	Millipore	WBKL S0 050	
PVDF membrane	Millipore	IPVH00010	
BIS-TRIS gels	Life Technologies	NP0321BOX	
anti-myc antibody	Covance	mms-150R	
secondary antibody	Abcam	ab97040	Goat pAb to mouse IgG (HRP)