

Materials List for:

Cell Fractionation of U937 Cells in the Absence of High-speed Centrifugation

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Materials

Name	Company	Catalog Number	Comments
Digitonin	TCI Chemicals	D0540	For Cytoplasm Extraction
D-Mannitol	Sigma-Aldrich	M4125	For Lysis buffer B
Dounce homogenizer	VWR	22877-282	For Homogenization
end-over-end rotator	Barnstead	N/A	For Cytoplasm Extraction
ethylene glycol-bis(β-aminoethyl ether)-N,N,N',N'-tetraacetic acid (EGTA)	Alfa Aesar	J61721	For Lysis buffer B
Ethylenediaminetetraacetic acid (EDTA)	Sigma-Aldrich	E7889	For Lysis buffer B
GAPDH (14C10)	Cell Signalling Technologies	2118	For detection of cytoplasmic fractions on western blot, <u>dilution</u> : 1:10000
HEPES	VWR	J848	For Lysis buffers A and B
KCl	Sigma-Aldrich	P9541	For Lysis buffer B
MgCl ₂	Alfa Aesar	12315	For Lysis buffer B
Na, K-ATPase α1 (D4Y7E)	Cell Signalling Technologies	23565	For detection of plasma membrane fractions on western blot, <u>dilution</u> : 1:1000
NaCl	Sigma-Aldrich	793566	For Lysis buffer A
phenylmethanesulfonyl fluoride (PMSF)	VWR	M145	For Cytoplasm Extraction and Homogenization Buffer
probe sonicator	Qsonica	Q125-110	For Final Samples
Protease Inhibitor Cocktail, General Use	VWR	M221-1ML	For Cytoplasm Extraction
refrigerated centrifuge	Beckman-Coulter	N/A	
Sodium dodecyl sulfate (SDS)	VWR	227	For Sample buffer
sodium orthovanadate (SOV)	Sigma-Aldrich	450243	For Lysis buffers A and B
Sucrose	Sigma-Aldrich	S0389	For Lysis buffer B
Tris-buffered Saline (TBS)	VWR	788	For Sample buffer
VDAC (D73D12)	Cell Signalling Technologies	4661	For detection of mitochondrial fractions on western blot, <u>dilution</u> : 1:1000