

Materials List for:

Subcellular Fractionation for ERK Activation Upon Mitochondrial-derived Peptide Treatment

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Materials

Name	Company	Catalog Number	Comments
p44/42 MAPK (ERK1/2)	Cell signaling	9102	Dilution 1:1,000
phospho-p44/42 MAPK (ERK1/2) (Thr202/Tyr204)	Cell signaling	4370	Dilution 1:1,000
Lamin B1	Cell signaling	12586	Nuclear Marker, Dilution 1:1,000
GAPDH	Cell signaling	5174	Cytoplasmic marker, Dilution 1:2,000
Tom20	Santa cruz	SC-17764	Mitochondria marker, Dilution 1:2,000
anti-Rabbit-HRP conjugated	Cell signaling	7074	Dilution 1:30,000
RIPA Lysis and Extraction Buffer	ThermoFisher SCIENTIFIC	89900	
100 mm Culture Dish	ThermoFisher SCIENTIFIC	12556002	
HNG peptide	Genescript		
25mm syringe filter	ThermoFisher SCIENTIFIC	09-719A	
HEPES	Sigma	H3375	
MgCl ₂	Sigma	M8266	
KCl	Sigma	P9333	
Glycerol	Sigma	G9012	
Triton X-100	ThermoFisher SCIENTIFIC	BP151-100	
EDTA	Sigma	3609	
MOPS	Sigma	M1254	
EGTA	Sigma	E3889	
Sucrose	Sigma	S7903	
Tris-base	ThermoFisher SCIENTIFIC	BP152-1	
HCL	Sigma	H1758	
PBS	Lonza	17-512F	
Cell Scraper	FALCON	353085	
Halt™ Protease and Phosphatase Inhibitor Cocktail (100X)	ThermoFisher SCIENTIFIC	78440	
Thomas Pestle Tissue Grinder Assemblies with Smooth Pestles	Thomas Scientific	3432S90	
Tween-20	ThermoFisher SCIENTIFIC	BP337-500	
BSA	ThermoFisher SCIENTIFIC	BP1600-100	
8-16% Mini-PROTEAN TGX Precast Protein Gels	BIO RAD	4561104	
Mini Trans-Blot Module	BIO RAD	1658030	
Trans-Blot Turbo Transfer System	BIO RAD	1704150	

Trans-Blot Turbo RTA Mini PVDF Transfer Kit	BIO RAD	1704272	
Clarity Western ECL Blotting Substrates	BIO RAD	1705060	
Restore Western blot stripping buffer	ThermoFisher SCIENTIFIC	21059	
Dulbecco's Modified Eagle Medium	ThermoFisher SCIENTIFIC	11965-092	
Sonicator, Medel: FB120	ThermoFisher SCIENTIFIC	695320-07-12	