

Materials List for:

Characterization at the Molecular Level using Robust Biochemical Approaches of a New Kinase Protein

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URL: <https://www.jove.com/video/59820>

DOI: [doi:10.3791/59820](https://doi.org/10.3791/59820)

Materials

Name	Company	Catalog Number	Comments
Antibody anti-actin	Sigma-Aldrich	A1978	for Western Blot
Antibody anti-c-Myc	Invitrogen	MA1-21316	for Western Blot
Antibody anti-cofilin	Cell signaling Technology	3312/5175	for Western Blot
Antibody anti-GFP	Santa Cruz	sc-9996	for Western Blot
Antibody anti-HA	Roche Applied Science	11687423001	for Western Blot
Antibody anti-phospho-cofilin	Cell signaling Technology	3313	for Western Blot
Antibody Anti-PP1i	Eurogentec	designed for this study	for Western Blot
Aprotinin	Euromedex	A-162B	for lysis buffer
ATP	Invitrogen	PV3227	for γ [³² P] labeling
γ [³² P] ATP	Perkin Elmer	NEG502A	for γ [³² P] labeling
BES buffered saline	Sigma-Aldrich	14280	for transfection
β -glycerophosphate	Sigma-Aldrich	G9422	for lysis and kinase buffer
β -mercaptoethanol	Sigma-Aldrich	M3148	for Laemmli
BSA	Sigma-Aldrich	A3059	for blocking buffer
Bromophenol Blue	Sigma-Aldrich	B0126	for Laemmli
CaCl ₂	Sigma-Aldrich	C3881	for transfection
Centrifuge	Sigma	111-541	
Collagen R	Pan Biotech	P06-20166	for transfection
Control siRNA	Ambion	AM4611	for PP1i antibody specificity
Coomassie PageBlue Protein Staining Solution	Thermo-Fisher	24620	for gel staining
EDTA	Sigma-Aldrich	3690	for lysis buffer
Electrophoresis Unit	Biorad	Mini-Protean	for Western Blot
EZview Red anti-HA affinity gel	Sigma-Aldrich	E6779	for immunoprecipitation
GeneSys software	Ozyme		for Western Blot acquisition
GeneTolls software	Ozyme		for Western Blot quantification
GFP-trap beads	Chromtek		for immunoprecipitation
Glycine	Euromedex	26-128-6405	for transfer buffer
GST-cofilin	Upstate Cell signaling	12-556	for γ [³² P] labeling
Hamilton syringe 100 mL	Hamilton	710	to remove carefully supernatant from beads without aspirating them
HEPES	Sigma-Aldrich	H3375	for kinase buffer
ImageQuant TL software	GE Healthcare		for radioactivity acquisition and quantification

LIMK2 siRNA	Ambion	s8191	for PP1i antibody specificity
Leupeptin	Sigma-Aldrich	SP-04-2217	for lysis and kinase buffer
MBP	Upstate Cell signaling	13-173	for γ [³² P] labeling
MgCl ₂	Sigma-Aldrich	M8266	for kinase buffer
MnCl ₂	Sigma-Aldrich	244589	for kinase buffer
NaCl	Euromedex	1112	for lysis and kinase buffer
NaF	Sigma-Aldrich	S-1504	for lysis and kinase buffer
Okaidic acid	Euromedex	0-2220	for lysis buffer
PMSF	Sigma-Aldrich	78830	for lysis and kinase buffer
p-nitrophenylphosphate	Euromedex	1026	for lysis buffer
PVDF membrane Immobilon-P	Merck-Millipore	IPVH00010 pore size 0,45 mm	for Western Blot
Rotating wheel	Labinco		for bead incubation
Safe lock eppendorf	Eppendorf	0030120.086	for kinase assay
SDS	Sigma-Aldrich	5030	for Laemmli and migration buffer
Sodium orthovanadate	LC Laboratories	S8507	for lysis and kinase buffer
Sodium pyrophosphate	Fluka	71501	for lysis buffer
Super Signal West Dura	Protein Biology	34075	for Western Blot
Syngene Pxi	Ozyme		for Western Blot
Tissue extracts	Biochain	P1234035 Brain P12345152 Lung P1234149 Liver P1234188 Pancreas P1234260 Testis	for Western Blot analysis
Transfer Unit	Biorad	Mini-Trans-Blot	for Western Blot
Tris	Euromedex	26-128-3094 B	for lysis buffer
Tween-20	Sigma-Aldrich	P7949	for blocking buffer
Typhoon FLA9500	GE Healthcare		to read autoradiography
Typhoon Trio	Amersham Bioscience		to read autoradiography
Whatman paper	GE Healthcare	3030-672	for Western Blot