

Materials List for:

Biotinylated Cell-penetrating Peptides to Study Intracellular Protein-protein Interactions

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Materials

Name	Company	Catalog Number	Comments
G166 GSC line	BioRep		
RHB-A stem cell medium	Takara	Y40001	
Laminin Mouse Protein	Invitrogen, Life Technologies, ThermoFisher Scientific	23017-015	10 µg/ml
B-27 Serum free Supplement (50X)	Invitrogen, Life Technologies, ThermoFisher Scientific	17504-044	2%
N-2 Supplement (100x)	Invitrogen, Life Technologies, ThermoFisher Scientific	17502-048	1%
Recombinant Human EGF	Peptotech	AF-100-15	20 ng/ml
Recombinant Human b-FGF	Peptotech	AF-100-18B	20 ng/ml
PBS pH 7.4: In deionized water, 136 mM NaCl ; 2.7 mM KCl; 7.8 mM Na ₂ HPO ₄ ·2H ₂ O ; 1.7 mM KH ₂ PO ₄			
Accutase	Sigma	A6964	
Cryostor CS10 cryopreservation medium	StemCell Technologies	7930	
TAT	GenScript	-	Custom made
TAT-B	GenScript	-	Custom made
TAT-Cx43 ₂₆₆₋₂₈₃	GenScript	-	Custom made
TAT-Cx43 ₂₆₆₋₂₈₃ -B	GenScript	-	Custom made
Alexa Fluor 594 Phalloidin	Molecular Probes, Life Technologies, ThermoFisher Scientific	A1275737	1/20
Monoclonal α-tubulin mouse antibody	Sigma-Aldrich	T9026	1/500
4',6-diamidino-2-phenylindole (DAPI)	Molecular Probes, Life Technologies, ThermoFisher Scientific		1.25 mg/ml
Pierce™ NeutrAvidin™ Agarose	ThermoFisher Scientific	29200	
Protein lysis buffer: 5 mM Tris-HCl (pH 6.8), 2% (w/v) SDS, 2 mM EDTA , 2 mM EGTA			
Protease Inhibitor Cocktail Set III. EDTA-Free	Calbiochem, Bionova	539134	1/100 (v/v)
Sodium Fluoride	PanReac AppliChem	141675	1 mM
Phenylmethanesulfonyl fluoride (PMSF)	Sigma-Aldrich	P7626	1 mM

Sodium orthovanadate	Sigma-Aldrich	S6508	0.1 mM
Laemmli buffer: (4x: 0.18 M Tris-HCl pH 6.8; 5 M glycerol; 3.7 % (w/v) SDS; 0.6 M β -mercaptoethanol or 9 mM DTT ; 0.04% (v/v) bromophenol blue (BB) .			1X
Xcell 4 SureLock Midi-Cell Electrophoresis System	Life Technologies, ThermoFisher Scientific	WR0100	
NuPAGE Novex Bis-Tris Midi-Gels 4-12%	Life Technologies, ThermoFisher Scientific	WG1402box	
NuPAGE MOPS SDS Running Buffer (20X)	Life Technologies, ThermoFisher Scientific	NP0001	1X
NuPAGE Transfer Buffer 20x	Life Technologies, ThermoFisher Scientific	NP0006	1X
Precision Plus Protein Dual Color Standard	Bio-Rad	161-0374	
iBlot 2 NC Regular Stacks (nitrocellulose membranes)	Life Technologies, ThermoFisher Scientific	IB23001	
iBlot 2 Dry Blotting System - Gel transfer device	Life Technologies, ThermoFisher Scientific	IB21001	
10% Ponceau S Solution (0.1% Ponceau (w/v) in 5% acetic acid (v/v)) in water	Sigma	P7170	
FAK polyclonal rabbit antibody	Life Technologies, ThermoFisher Scientific	AHO0502	1/500
Src polyclonal rabbit antibody	Cell Signalling (WERFEN)	2108S	1/500
Csk polyclonal rabbit antibody	Cell Signalling (WERFEN)	4980	1/500
PTEN polyclonal mouse antibody	Cell Signalling (WERFEN)	9552	1/500
Caveolin-1 polyclonal rabbit antibody	Abcam	ab2910	1/1000
Goat anti-mouse IgG-HRP antibody	Quimigen, Santa Cruz Biotechnology	Sc-2005	1/5000
Goat anti-rabbit IgG-HRP antibody	Quimigen, Santa Cruz Biotechnology	SC-2030	1/5000
Western Blotting Luminol Reagent	Santa Cruz Biotechnology	SC-2048	
Src polyclonal rabbit antibody	Cell Signalling (WERFEN)	2108S	1/500
Antibody solution: PBS, 10% FBS, 0.1 M lysine, 0.02% sodium azide			
Alexa Fluor 488 goat anti-mouse IgG	Invitrogen, Life Technologies, ThermoFisher Scientific	A11029	1/1000
Cy2-conjugated streptavidin	Jackson ImmunoResearch	016-220-089	1/500
MicroChemi Luminescence system	DNA Bio-Imaging Systems		
Dead Cell Apoptosis Kit with Annexin V Alexa Fluor® 488 & Propidium Iodide (PI)	Molecular Probes, Life Technologies, ThermoFisher Scientific	V13241	1/500
SlowFade Gold antifade reagent	Life Technologies, ThermoFisher Scientific	S36936	
Thiazolyl Blue Tetrazolium Bromide (MTT)	Sigma-Aldrich	M2128	
Dimethyl sulfoxide for UV-spectroscopy, >=99.8% (GC)	Honeywell	41641-1L	
Appliskan 2001	Thermo Electron Corporation, Thermo Scientific		