

Materials List for:

Co-immunoprecipitation Assay Using Endogenous Nuclear Proteins from Cells Cultured Under Hypoxic Conditions

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Materials

Name	Company	Catalog Number	Comments
Material			
1.0 M Tris-HCl Buffer, pH 7.4	1st BASE	1415	
Protein A/G Sepharose beads	Abcam	ab193262	
Natural Mouse IgG protein	Abcam	ab198772	
EDTA	Bio-Rad	1610729	
2x Laemmli Sample Buffer	Bio-Rad	1610737	
2-Mercaptoethanol	Bio-Rad	1610710	
Nitrocellulose Membrane	Bio-Rad	1620112	
Blotting-Grade Blocker	Bio-Rad	1706404	Non-fat dry milk for western blotting applications
10x Tris Buffered Saline (TBS)	Bio-Rad	1706435	
10% Tween 20	Bio-Rad	1610781	
10x Tris/Glycine/SDS	Bio-Rad	1610732	
10x Tris/Glycine Buffer	Bio-Rad	1610771	
Precision Plus Protein Dual Color Standards	Bio-Rad	1610374	
Anti-rabbit IgG, HRP-linked Antibody	Cell Signaling	7074	
Anti-mouse IgG, HRP-linked Antibody	Cell Signaling	7076	
SignalFire ECL Reagent	Cell Signaling	6883	
Dulbecco's Phosphate-Buffered Saline	Corning	21-030-CV	
Phenylmethylsulfonyl fluoride (PMSF)	Merck Millipore	52332	
ARNT/HIF-1 beta Antibody	Novus Biologicals	NB100-124	Concentration: 1.4 mg/mL
HIF-1 alpha Antibody	Novus Biologicals	NB100-479	Concentration: 1.0 mg/mL
YY1 Antibody	Novus Biologicals	NBP1-46218	Concentration: 0.2 mg/mL
Qproteome Nuclear Protein Kit	Qiagen	37582	Lysis buffer NL and Extraction Buffer NX1 are provided in the kit
GAPDH Antibody	Santa Cruz	sc-47724	Concentration: 0.2 mg/mL
Glycerol (≥99%)	Sigma	G5516	

Potassium chloride	Sigma	P9541	
RIPA buffer	Sigma	R0278	
Sodium Chloride (NaCl)	Sigma	71376	
NP-40	Sigma	127087-87-0	
Dulbecco's modified Eagle's medium (DMEM, 4.5 g/L glucose)	Thermo Fisher Scientific	11995065	
Dithiothreitol (DTT)	Thermo Fisher Scientific	R0861	
Fetal Bovine Serum	Thermo Fisher Scientific	10270106	
HEK293A cell line	Thermo Fisher Scientific	R70507	
Methanol	Thermo Fisher Scientific	67-56-1	
Penicillin-Streptomycin	Thermo Fisher Scientific	15140122	
Pierce Protease Inhibitor Tablets	Thermo Fisher Scientific	88660	
Pierce BCA Protein Assay Kit	Thermo Fisher Scientific	23225	
QSP gel loading tip	Thermo Fisher Scientific	QSP#010-R204-Q-PK	1-200 uL
Equipment/Instrument			
Thick Blot Filter Paper, Precut, 7.5 x 10 cm	Bio-Rad	1703932	
Mini-PROTEAN Tetra Vertical Electrophoresis Cell for Mini Precast Gels, with Mini Trans-Blot Module and PowerPac Basic Power Supply	Bio-Rad	1658034	
4–15% Mini-PROTEAN TGX Precast Protein Gels	Bio-Rad	4561083	
ChemiDoc XRS+ System	Bio-Rad	1708265	
I-Glove	BioSpherix	I-Glove	
Synergy HTX Multi-Mode Microplate Reader	BioTek	BTS1LFTA	
Costar 5mL Stripette Serological Pipets	Corning	4487	
Costar 10mL Stripette Serological Pipets	Corning	4488	
Costar 25mL Stripette Serological Pipets	Corning	4251	
Corning 96-Well Clear Bottom Black Polystyrene Microplates	Corning	3631	
15mL High Clarity PP conical Centrifuge Tubes	Corning	352095	
Small Cell Scraper	Corning	3010	
Gilson Pipetman L 4-pipettes kit	Gilson	F167370	P2, P20, P200, P1000 and accessories
1.5mL Polypropylene Microcentrifuge Tubes	Greiner Bio-One	616201	
PIPETBOY acu 2 Pipettor	INTEGRA Biosciences	155 000	
Justrite Flammable Liquid Storage Cabinets	Justrite Manufacturing Co.	896000	
Vortex mixer	Labnet	S0200	
CO2 incubator	NuAire	NU-5820	
Orbital shakers	Stuart	SSL1	
Tube rotator SB3	Stuart	SB3	
MicroCL 21R Microcentrifuge	Thermo Fisher Scientific	75002470	

Sorvall ST 16 Centrifuge	Thermo Fisher Scientific	75004240	
Tissue Culture Dishes (100 mm)	Thermo Fisher Scientific	150350	
Slide-A-Lyzer MINI Dialysis Device	Thermo Fisher Scientific	69580	10K MWCO, 0.1 mL
Float Buoys for 0.1mL Slide-A-Lyzer MINI Dialysis Devices	Thermo Fisher Scientific	69588	
LSE Digital Dry Bath Heaters	Thermo Fisher Scientific	1168H25	
Thermo Scientific 1300 Series A2 Class II, Type A2 Bio Safety Cabinets	Thermo Fisher Scientific	13-261-308	
Software			
Image Lab Software	Bio-Rad	1709691	