

Materials List for:

Oligopeptide Competition Assay for Phosphorylation Site Determination

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Materials

Name	Company	Catalog Number	Comments
HEPES	Thermo Fisher Scientific, Waltham, MA	15630	
MgCl ₂	Sigma-Aldrich, St. Louis, MO	208337	
EGTA	Sigma-Aldrich, St. Louis, MO	E3889	
DTT	Sigma-Aldrich, St. Louis, MO	D9779	
β-glycerophosphate	Sigma-Aldrich, St. Louis, MO	G9422	
Na ₃ VO ₄	Sigma-Aldrich, St. Louis, MO	450243	
Protease inhibitor cocktail	Calbiochem, Nottingham, UK	539134	
ATP	Sigma-Aldrich, St. Louis, MO	A2383	
AMP	Sigma-Aldrich, St. Louis, MO	A1752	
AMPK	Upstate Biotechnology, Lake Placid, NY	14-840	
Nrf2 (WT)	Abnova, Taipei City, Taiwan	H00004780-P01	
[γ- ³² P]-ATP	PerkinElmer Life and Analytical Sciences, Waltham, MA	NEG502A	
EZblue staining reagent	Sigma-Aldrich, St. Louis, MO	G1041	
Pfu turbo DNA polymerase	Agilent Technologies, Santa Clara, CA	600250	
dNTP mix	Agilent Technologies, Santa Clara, CA	200415-51	Avoid multiple thaw and freezing cycle
DpnI	New England Biolabs, Ipswich, MA	R0176S	
LB broth	Duchefa Biochemie BV, Haarlem, Netherlands	L1704	
Ampicillin	Affymetrix, Santa Clara, CA	11259	
Agarose LE	iNTRON Biotechnology, Sungnam, South Korea	32034	
HiYield Plus Gel/PCR DNA Mini Kit	Real Biotech Corporation, Taipei, Taiwan	QDF100	
Coomassie Brilliant Blue R-250	Bio-Rad Laboratories, Hercules, CA	161-0400	
Bovine Serum Albumin	Bovogen Biologicals, Victoria, Australia	BSA100	
Glutathione Sepharose 4B	GE Healthcare, Marlborough, MA	17-0756-01	
Acetic Acid glacial	Duksan pure chemicals, Ansan, South Korea		
Methyl alcohol	Daejung Chemicals & Metals, Siheung, South Korea	5558-4410	

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Typhoon FLA 7000	GE Healthcare, Marlborough, MA	28-9558-09	
SDS-PAGE kit	Bio-Rad Laboratories, Hercules, CA	1658001FC	
Vacuum pump	Bio-Rad Laboratories, Hercules, CA	165-178	
Gel dryer	Bio-Rad Laboratories, Hercules, CA	165-1746	
Dancing shaker	FINEPCR, Seoul, Korea	CR300	The machine is needed for washing step
PCR machine	Bio-Rad Laboratories, Hercules, CA	T100	
Incubator/shakers	N-BIOTEK, GyeongGi-Do, Korea	NB-205L	
Microcentrifuges	LABOGENE, Seoul, Korea	1730R	
Chromatography columns	Bio-Rad Laboratories, Hercules, CA	732-1010	