

Materials List for:

Identification of Novel CK2 Kinase Substrates Using a Versatile Biochemical Approach

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Materials

Name	Company	Catalog Number	Comments
Lysis Buffer	See recipe below	30 mL	
Recombinant human CK2 holoenzyme	New England Biolabs: #P6010S	2.7 µL	
2.5 mM GTPγS	Sigma-Aldrich: G8634-1MG	5.4 µL	
12 mg/mL PNBM	Abcam: ab138910	40.5 µL	
PD MiniTrap Column	GE Healthcare: #28-9180-10	3 columns	
Anti-CK2α (E-7) mouse monoclonal antibody	Santa Cruz Biotechnology: sc-373894	1:1000 for Western blotting	
Anti-GAPDH (6C5) mouse monoclonal antibody	Santa Cruz Biotechnology: sc-32233	1:1000 for Western blotting	
Anti-thiophosphate ester [51-8] rabbit monoclonal antibody	Abcam: ab92570	Varies (final concentration 2.8 µg for each sample)	
Anti-nucleolin rabbit polyclonal antibody	Abcam: ab22758	1:1000 for Western blotting	
Normal rabbit IgG antibody (isotype control)	Cell Signaling Technology: #2729S	Varies (final concentration 2.8 µg for each sample)	
Protein A/G Plus Agarose Beads	Santa Cruz Biotechnology: sc-2003	600 µL	
cComplete Mini EDTA-Free Protease Inhibitor	Roche: #11836170001		
T98G human glioblastoma cells	ATCC: CRL-1690		
Centrifuge pre-set to 4?	ThermoScientific: Sorvall Legend Micro 21R Cat# 75-772-436		
Water bath pre-set to 30?	Shel Lab: H20 Bath Series Model# SWB15		
Rotator	Labnet: Mini Labroller SKU# H5500		