

Materials List for:

Identification of Novel CK2 Kinase Substrates Using a Versatile Biochemical Approach

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Materials

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