

Materials List for:

Deacetylation Assays to Unravel the Interplay between Sirtuins (SIRT2) and Specific Protein-substrates

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Materials

Name	Company	Catalog Number	Comments
cell culture dishes	Denville Scientific Inc.	T1110 and T1115	
pCDH-puro-GFP lentiviral vector	System Biosciences	CD513B-1	
pCMV- dR8.2 dvpr (packaging vector)	Addgene	8455	
pCMV-VSV-G (envelope vector)	Addgene	8454	
polyethylenimine (PEI)	Polysciences Inc.	24885	other transfection reagents can be used as well. PEI is cost effective and very efficient in transfecting 293T cells
0.22 µm filters	Denville Scientific Inc.	F5512	
polybrene	Sigma	H9268	
fluorescent microscope	Carl Zeiss MicroImaging Inc.	Axiovert 200	
puromycin	Invivogen	A11138-03	
PBS	Corning	21-031-CM	
anti-Flag antibody	Sigma	F3165	
HEPES	Sigma	H3375	
KCl	Sigma	P9541	
Glycerol	Sigma	G5516	
NP-40	Sigma	74385	
MgCl ₂	Sigma	M9272	
EGTA	Sigma	34596	
protease inhibitors cocktail 100x	Biotool	B14001	
Trichostatin A (TSA)	Sigma	T8552	selective inhibitor of class I and II histone deacetylases (HDACs) but not class III HDACs (sirtuins)
anti-Flag agarose beads	Sigma	A2220	
centrifuge	Eppendorf	5417R	
rotator	Thermo Scientific	415220Q	
filter tubes	Millipore	UFC30HV00	
Flag peptide	Sigma	F3290	
Vivaspin Centrifugal Concentrator	Sartorius Stedim Biotech S.A.	VS0102	
SimplyBlue SafeStain solution	Invitrogen	LC6060	
NuPAGE LDS sample buffer (4x)	Life Technologies	NP0007	

Tris-HCl pH 7.5	Sigma	T5941	
NAD ⁺	Sigma	N0632	required cofactor for sirtuins
nicotinamide (NAM)	Sigma	72340	selective inhibitor class III HDACs (sirtuins)
pLKO.1 lentiviral vector	Addgene	8453	
SIRT2 si RNA	Qiagen	GS22933	
anti-SIRT2 antibody	Proteintech	15345-1-AP	
Bradford protein assay	BIO-RAD	500-0006	
anti Ac-K agarose beads	Immunechem	ICP0388	