

Materials List for:

In Vitro SUMOylation Assay to Study SUMO E3 Ligase Activity

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Materials

Name	Company	Catalog Number	Comments
pFastBac	Invitrogen	10359-016	dual expression baculovirus vector
pCR2.1-TOPO vector	Invitrogen		PCR product vector
competent cell <i>E. coli</i> DH5α	Yeastern Biotech	FYE678-80VL	competent <i>E. coli</i> cells A
<i>E. coli</i> DH10Bac	Invitrogen	10359-016	competent <i>E. coli</i> cells B
FugeneHD	Roche	04709705001	transfection reagent
Opti-MEM	Gibco	31985062	reduced serum media
T4 Ligase	NEW England BioLabs	M0202S	
Cpol (RsrII)	Thermo Scientific	ER0741	
Bluo-gal	Thermo Scientific	B1690	galactosidase substrate
IPTG	Sigma-Aldrich	I6758-1G	
Grace's Insect Medium	Gibco	11605094	
Fetal Bovine Serum	Gibco	10082147	
Gentamicin	Thermo Fisher	15750060	
Ampicillin	Sigma-Aldrich	A9393-25G	
Kanamycin	Sigma-Aldrich	K0254-20ML	
gentamicin	Gibco	15710-064	
tetracyclin	Sigma-Aldrich	87128-25G	
LB Broth	Merk	1.10285.0500	
HEPES	Sigma-Aldrich	H4034-100G	
NaCl	Sigma-Aldrich	S9888-5KG	
KCl	Merk	1.04936.1000	
Na ₂ HPO ₄	Sigma-Aldrich	S5136-500G	
KH ₂ PO ₄	J.T.Baker	3246-01	
sodium dodecyl sulfate	Merk	1.13760.1000	
β-mercaptoethanol	Bio-Rad	161-0710	
TRIS (Base)	J.T.Baker	4109-06	
Non-fat milk	Fonterra		
glycerol	J.T.Baker	2136-01	
Triton X-100	Amresco	0694-1L	detergent A
Tween 20	Amresco	0777-500ML	detergent B
Poloxamer 188 solution	Sigma-Aldrich	P5556-100ML	detergent C

Protease Inhibitor Cocktail Tablet	Roche	04 693 132 001	
3x Flag peptide	Sigma	F4799	
anti-FLAG m2 Magnetic beads	Sigma-Aldrich	M8823	antibody-tagged magnetic beads
SUMOLink SUMO-1 Kit	Active Motif	40120	standard SUMOylation protocol
SUMOLink SUMO-2/3 Kit	Active Motif	40220	standard SUMOylation protocol
QIAquick Gel Extraction Kit	QIAGEN	28704	
QIAGEN Plasmid Mini Kit	QIAGEN	12123	plasmid extraction kit
Polypropylene tubes	Falcon	352059	
Petri Dish	Falcon	351029	
Cell lifter	Corning	CNG3008	
Loading tip	Sorenson BioScience	28480	
PVDF	PerkinElmer	NEF1002	
Blotting filter paper	Bio-Rad	1703932	
Mini slab gel apparatus (Bio-Rad Mini Protean II Cell)	Bio-Rad	1658001 EDU	
Trans-Blot SD Semi-Dry Electrophoretic Transfer Cell	Bio-Rad	1703940	
Pierce ECL Western Blotting	Thermo	32106	ECL reagent
suspension mixer	Digisystem laboratory instruments Inc.	SM-3000	
orbital shaker	Kansin instruments Co.	OS701	
ImageQuant LAS 4000 biomolecular imager	GE Healthcare	28955810	
Sf9	Thermo Scientific	B82501	
anti-p53 antibody	Cell Signaling	#9282	
anti-rabbit antibody	GE Healthcare	NA934-1ML	