

Materials List for:

Functional Characterization of RING-Type E3 Ubiquitin Ligases In Vitro and In Planta

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URL: <https://www.jove.com/video/60533>

DOI: [doi:10.3791/60533](https://doi.org/10.3791/60533)

Materials

Name	Company	Catalog Number	Comments
Acetic acid	Sigma-Aldrich	A6283	
Acetosyringone	Sigma-Aldrich	D134406	
Amylose resin	NEB	E8021S	
ATP	Sigma-Aldrich	A1852	
Bacterial protease inhibitor	Sigma-Aldrich	P8465	
Bromphenol Blue	VWR	97061-690	
CaCl ₂	Sigma-Aldrich	C1016	
Centrifuge	Beckman Coulter	model: Avanti J-25	
Commassie Blue	VWR	97061-738	
Creatine phosphate	Sigma-Aldrich	P7936	
Creatine phosphokinase	Sigma-Aldrich	C3755	
DNA clean & concentrator Kit	ZYMO RESEARCH	D4029	
<i>DpnI</i>	NEB	R0176S	
DTT	Sigma-Aldrich	D0632	
<i>E. coli</i> BL21	Thermo Fisher Scientific	C600003	
<i>E. coli</i> DH5α competent cells	Thermo Fisher Scientific	18265017	
EDTA	Sigma-Aldrich	324504	
FeSO ₄ 7H ₂ O	Sigma-Aldrich	F7002	
FLAG-Ub	BostonBiochem	U-120	
Glucose	VWR	188	
Glycerol	Sigma-Aldrich	G5516	
HA-Ub	BostonBiochem	U-110	
Heat block	VWR	model: 10153-318	
Incubator	VWR	model: 1525 Digital Incubator	
Incubator shaker	Thermo Fisher Scientific	model: MaxQ 4000	
IPTG	Roche	10724815001	
KCl	Sigma-Aldrich	P9333	
LB Broth	Sigma-Aldrich	L3022	
Liquide nitrogen	university chemistore		
Maltose	Sigma-Aldrich	63418	
MES	Sigma-Aldrich	M3671	
Methanol	Sigma-Aldrich	34860	
MgCl ₂	Sigma-Aldrich	63138	

MgSO4 7H2O	Sigma-Aldrich	63138	
Microcentrifuge	Eppendorf	model: 5424	
Miniprep plasmid purification kit	ZYMO RESEARCH	D4015	
monoclonal anti-FLAG antibody	Sigma-Aldrich	F3165	
monoclonal anti-HA antibody	Sigma-Aldrich	H9658	
monoclonal anti-MYC antibody	Sigma-Aldrich	WH0004609M2	
Mortar	VWR	89038-144	
NaCl	Sigma-Aldrich	S7653	
NaH2PO4	Sigma-Aldrich	S8282	
NanoDrop	Thermo Fisher Scientific	model: 2000 Spectrophotometer	
Needle	Thermo Fisher Scientific	14-826-5C	
NH4Cl	Sigma-Aldrich	A9434	
PCR machine	Bio-Rad	model: C1000	
Pestle	VWR	89038-160	
<i>Pfu Ultra</i>	Agilent Technologies	600380	
Plant protease inhibitor cocktail	Sigma-Aldrich	P9599	
pMAL-c2	NEB	N8076S	
PMSF	Sigma-Aldrich	P7626	
Polyvinylpyrrolidone	Sigma-Aldrich	P6755	
SDS	Sigma-Aldrich	1614363	
Sonicator	Qsonica Sonicators	model: Q125	
Syringe	Thermo Fisher Scientific	22-253-260	
Tris	Sigma-Aldrich	T1503	
T4 ligase	NEB	M0202S	