

Materials List for:

Monitoring of Ubiquitin-proteasome Activity in Living Cells Using a Degron (dgn)-destabilized Green Fluorescent Protein (GFP)-based Reporter Protein

Ruth Greussing¹, Hermann Unterluggauer¹, Rafal Koziel¹, Andrea B. Maier², Pidder Jansen-Dürr¹

¹Molecular and Cell Biology, Institute for Biomedical Aging Research

²Department of Gerontology and Geriatrics, Netherlands Consortium for Healthy Aging, Leiden University Medical Center

Correspondence to: Pidder Jansen-Dürr at pidder.jansen-duerr@uibk.ac.at

URL: <https://www.jove.com/video/3327>

DOI: [doi:10.3791/3327](https://doi.org/10.3791/3327)

Materials

Name	Company	Catalog Number	Comments
pEGFP-C1 Vector	BD Bioscience Clontech	6084-1	
pENTR Directional TOPO Cloning Kit	Invitrogen	K2400-20	
pLenti6/V5 Directional TOPO Cloning Kit	Invitrogen	V496-10	
Lipofectamine 2000 Reagent	Invitrogen	11668019	
DMEM	Sigma-Aldrich	D5546	
PVDF filter (Rotilabo-Spritzenfilter)	Carl Roth GmbH	P667.1	
Polyethylene glycol	Sigma-Aldrich	P2139	
NaCl	Merck & Co., Inc.	1.06404.1000	
Dulbecco's Phosphate Buffered Saline 1x (PBS)	Invitrogen	14190	
hexadimethrine bromide	Sigma-Aldrich	10,768-9	
Blasticidin	Invitrogen	R21001	
Crystal violet	Sigma-Aldrich	C3886	
FACS tubes	BD Biosciences		
Penicillin Streptomycin (Pen-Strep)	Invitrogen	15140130	
L-glutamine 200 mM	Invitrogen	25030024	
Fetal Bovine Serum (FBS)	Biochrom AG	S0115	
MEM Non-Essential Amino Acids (NEAA) 100x	Invitrogen	11140035	
MEM Sodium Pyruvate 100 mM	Invitrogen	11360039	
D-(+)-Glucose (45%)	Sigma-Aldrich	G8769	
Geneticin	Invitrogen	11811023	
CaCl ₂	Merck & Co., Inc.	C5080	
Hepes	Sigma-Aldrich	H3375	
Trypsin-EDTA (0.05%)	Invitrogen	25300054	