

Materials List for:

Assays for the Degradation of Misfolded Proteins in Cells

Lili Guo^{1,2}, Wil Prall¹, Xiaolu Yang¹

¹Department of Cancer Biology, University of Pennsylvania Perelman School of Medicine

²Department of Systems Pharmacology and Translational Therapeutics, University of Pennsylvania Perelman School of Medicine

Correspondence to: Lili Guo at guolili@mail.med.upenn.edu, Xiaolu Yang at xyang@mail.med.upenn.edu

URL: <https://www.jove.com/video/54266>

DOI: [doi:10.3791/54266](https://doi.org/10.3791/54266)

Materials

Name	Company	Catalog Number	Comments
Dulbecco's Modified Eagle Medium	Life Technologies	11995-092	
Fetal Bovine Serum	Life Technologies	10082147	
Lipofectamine 2000	Life Technologies	11668019	
NP-40	Sigma-Aldrich	NP40S-500ML	
SDS	Sigma-Aldrich	L3771	
MG132	Sigma-Aldrich	M8699	
Cycloheximide	Sigma-Aldrich	C7698	
Dithiothreitol (DTT)	Fisher Scientific	45000232	
Complete Protease Inhibitor Cocktail Tablets	Roche Boehringer Mannheim	4693159001	
Bio-Dot Apparatus	Bio-Rad	1706545	
Living Colors GFP Monoclonal Antibody	Clonetech	632375	
Anti-Actin mAb Rabbit, IgG	Sigma-Aldrich	A45060-200UL	
Amino acids	Sigma-Aldrich		Amino acids are used for making low fluorescence culturing medium
Olympus IX-81 Inverted Fluorescence Microscope	Olympus	IX71/IX81	
96 Well Black TC Plate w/ Translucent Clear Bottom	Sigma-Greiner	89135-048	
Fluorescence Bottom Plate Reader Infinite 200® PRO	TECAN	Infinite 200® PRO	
Cellulose acetate membrane 0.2 µm	Sterlitech	CA023001	
Prism 5	GraphPad		Statistical analysis software