

Materials List for:

Discovering Protein Interactions and Characterizing Protein Function Using HaloTag Technology

Danette L. Daniels¹, Jacqui Méndez¹, Hélène Benink¹, Andrew Niles¹, Nancy Murphy¹, Michael Ford², Richard Jones², Ravi Amunugama², David Allen², Marjeta Urh¹

¹Promega Corporation

²MS Bioworks LLC

Correspondence to: Danette L. Daniels at Danette.Daniels@promega.com

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Materials

Name	Company	Catalog Number	Comments
HeLa Cells	ATCC	CCL-2	Adherent
HEK293T Cells	ATCC	CRL-11268	Adherent
Cellular growth media	Invitrogen/Gibco		
PBS - tissue culture certified	Invitrogen/Gibco		
FuGENE HD Transfection Reagent	Promega	E2311	
HaloTag Control Vector	Promega	G6591	
HaloTag-BRD4	Kazusa DNA Research Institute	FHC11882	N-terminal HaloTag fusion
HaloTag-HDAC1	Kazusa DNA Research Institute	FHC02563	N-terminal HaloTag fusion
HaloTag Clones containing content	Promega	Various	http://www.promega.com/FindMyGene/
HaloTag Flexi Vectors for cloning (N- or C-terminal)	Promega	Various	Choose based upon expression level and HaloTag orientation
HaloTag TMR Ligand	Promega	G8251	
IGEPAL CA-630	Sigma	18896	
HaloTag Mammalian Pull-Down and Labelling System	Promega	G6500	Contains HaloTag TMR ligand
HaloTag Mammalian Pull-Down System	Promega	G6504	
Protease Inhibitor Cocktail, 50X	Promega	G6521	
Mammalian Lysis Buffer	Promega	G9381	
HaloTag Monoclonal Antibody	Promega	G9211	
ProTEV Plus	Promega	V6101	
RQ1 Dnase	Promega	M6101	
HaloLink Resin	Promega	G1912	
HDAC-Glo	Promega	G6420	
PBS + 0.1% Triton X-100			For optional imaging
4% paraformaldehyde/0.2 M sucrose/PBS			For optional imaging
Ethanol			
Tissue culture vessels and dishes			
Cell culture incubator			
Disposable cell lifter	Thermo Fisher Scientific	08-773-1	
Glass homogenizer such as Kontes Dounce Tissue Grinder	Thermo Fisher Scientific	K885300-0002	25-27 G needle could also be used

Microcentrifuge			
Tube rotator such as Labquake	Thermo Fisher Scientific	4002110Q	Ideal for binding and washing steps
Shaking platform such as Eppendorf Thermomixer	Thermo Fisher Scientific	05-400-200	Ideal for SDS elution and TEV cleavage steps
Chambered cover glass	Thermo Fisher Scientific	155409	For optional imaging
Fluorescent Microscope (555 nm Ex/585 nm Em)			For optional imaging