

An Optimized Quantitative Pull-Down Analysis of RNA-Binding Proteins Using Short Biotinylated RNA

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Materials

Name	Company	Catalog Number	Comments
6-well tissue culture plates	VWR	10861-554	CELLS
Cell scrapers	BIOSIGMA	10153	CELLS
Dulbecco's Modified Eagle's Medium (DMEM)	Thermo Fisher Scientific	11995065	CELLS
Fetal Bovine Serum, qualified, heat inactivated, Brazil	Thermo Fisher Scientific	10500064	CELLS
Phosphate Buffer Saline (PBS, Waltham, MA)	Thermo Fisher Scientific	14190169	CELLS
Trypsin (0.25%), phenol red	Thermo Fisher Scientific	15050065	CELLS
Anti-rabbit IgG horseradish peroxidase (HRP)	Cellsignal	7070	PD
Biotinylated RNA	Eurofins	Custom RNA oligonucleotides	PD
Bovine serum albumin	Sigma-Aldrich	A9418	PD
Clarity Western ECL Substrate, 500 ml	Biorad	1705061	PD
cOmplete, EDTA-free Protease Inhibitor Cocktail	Merck - Sigma Aldrich	5056489001	PD
NuPAGE 4 to 12%, Bis-Tris, 1.0 mm, Mini Protein Gel, 10-well	Invitrogen	NP0321BOX	PD
Recombinant anti-TDP43 antibody	Abcam	ab109535	PD
Ribonucleic acid, transfer from baker's yeast (<i>S. cerevisiae</i>)	Merck - Sigma Aldrich	R5636-1ML	PD
Streptavidin Mag Sepharose	Merck - Sigma Aldrich	GE28-9857-99	PD
Trans-Blot Turbo RTA Mini 0.2 µm PVDF Transfer Kit	Biorad	1704272	PD
Acetone	Thermo Fisher Scientific	022928.K2	MS
C18 cartridge	Thermo Fisher Scientific	13-110-018	MS
Dithiothreitol (DTT)	Thermo Fisher Scientific	20290	MS
EASY-Spray HPLC Columns	Thermo Scientific	ES902	MS
Iodoacetamide (IAA)	Sigma Aldrich S.r.l.	I6125	MS

Lys-C/Trypsin	Promega	V5073	MS
Trifluoroacetic acid (TFA)	Thermo Fisher Scientific	28904	MS
Urea	Thermo Fisher Scientific	J75826.A7	MS
Equipment			
ChemiDoc imaging system	Bio-Rad		CELLS
Dyna Mag -2 , Magnetic rack	Invitrogen		CELLS
Forma Series 3 water jacketed CO ₂ incubator	Thermo Scientific		PD
PROTEAN II xi cell , power supply for PAGE applications	Bio-Rad		PD
Rotating wheel, rotator SB3	Stuart		PD
Water bath set at 37 °C	VWR		PD
XCell SureLock Mini-Cell electrophoresis system	ThermoFisher Scientific		MS
Easy-nLC 1200 UHPLC	Thermo Scientific		MS
Q exactive Mass Spectrometer	Thermo Scientific		MS
Software	Version		
MaxQuant	2.0.3.0		MS
Perseus	1.6.14.0		MS