

Materials List for:

Capture and Identification of RNA-binding Proteins by Using Click Chemistry-assisted RNA-interactome Capture (CARIC) Strategy

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Materials

Name	Company	Catalog Number	Comments
HeLa	ATCC		
DMEM (Dulbecco's Modified Eagle Medium)	Thermo Fisher Scientific	11995065	
FBS (Fetal Bovine Serum)	Thermo Fisher Scientific	10099141	
Penicillin & Streptomycin	Thermo Fisher Scientific	15140122	
EU (5-ethynyl uridine)	Wuhu Huaren Co.	CAS:69075-42-9	
4SU (4-thiouridine)	Sigma Aldrich	T4509	
10×PBS (Phosphate-Buffered Saline)	Thermo Fisher Scientific	AM9625	
UV cross-linker	UVP	CL-1000	Equiped with 365-nm UV lamp
DEPC (Diethyl pyrocarbonate)	Sigma Aldrich	D5758	To treat water. Highly toxic!
Tris-HCl, pH 7.5	Thermo Fisher Scientific	15567027	
LiCl	Sigma Aldrich	62476	
Nonidet P-40	Biodee	74385	
EDTA-free protease inhibitor cocktail	Thermo Fisher Scientific	88265	One tablet for 50 mL lysis buffer.
LDS (Lithium dodecyl sulfate)	Sigma Aldrich	L9781	
15-mL ultrafiltration tube (10 kDa cutoff)	Millipore	UFC901024	
0.5-mL ultrafiltration tube (10 kDa cutoff)	Millipore	UFC501096	
Streptavidin magnetic beads	Thermo Fisher Scientific	88816	
DMSO (Dimethyl sulfoxide)	Sigma Aldrich	41639	
Azide-biotin	Click Chemistry Tools	AZ104	
Copper(II) sulfate	Sigma Aldrich	C1297	
THPTA [Tris(3-hydroxypropyltriazolylmethyl)amine]	Sigma Aldrich	762342	
Sodium ascorbate	Sigma Aldrich	11140	
Azide-Cy5	Click Chemistry Tools	AZ118	
LDS sample buffer (4×)	Thermo Fisher Scientific	NP0008	
10% bis-Tris gel	Thermo Fisher Scientific	NP0301BOX	
EDTA	Thermo Fisher Scientific	AM9260G	

RNase A	Sigma Aldrich	R6513	
SDS (Sodium dodecyl sulfate)	Thermo Fisher Scientific	15525017	
NaCl	Sigma Aldrich	S3014	
Brij-97 [Polyoxyethylene (20) oleyl ether]	J&K	315442	
Triethanolamine	Sigma Aldrich	V900257	
Streptavidin agarose	Thermo Fisher Scientific	20353	
Urea	Sigma Aldrich	U5378	
Sarkosyl (<i>N</i> -Lauroylsarcosine sodium salt)	Sigma Aldrich	61743	
Biotin	Sigma Aldrich	B4501	
Sodium deoxycholate	Sigma Aldrich	30970	
MaxQuant			Version: 1.5.5.1