

Materials List for:

# Identification of Footprints of RNA:Protein Complexes via RNA Immunoprecipitation in Tandem Followed by Sequencing (RIPiT-Seq)

Lauren Woodward<sup>1</sup>, Pooja Gangras<sup>1</sup>, Guramrit Singh<sup>1</sup>

<sup>1</sup>Department of Molecular Genetics, Center for RNA Biology, The Ohio State University

Correspondence to: Guramrit Singh at [singh.734@osu.edu](mailto:singh.734@osu.edu)

URL: <https://www.jove.com/video/59913>

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## Materials

Name	Company	Catalog Number	Comments
Anti-FLAG Affinity Gel	Sigma	A2220	
ATP, [ $\gamma$ - <sup>32</sup> P]- 3,000 Ci/mmol 10 mCi/mL EasyTide, 250 $\mu$ Ci	PerkinElmer	BLU502A250UC	
BD Disposable Syringes with Luer-Lok Tips (200)	Fisher	14-823-435	
Betaine 5M	Sigma	B0300	
biotin-dATP	TriLink	N-5002	
biotin-dCTP	Perkin Elmer	NEL540001EA	
Branson Sonifier, Model SSE-1	Branson		
CircLigase I	VWR	76081-606	ssDNA ligase I
DMEM, High Glucose	ThermoFisher	11995-065	
DNA load buffer NEB	NEB		
Dynabeads Protein A	LifeTech	10002D	
Flp-In-T-REx 293 Cell Line	ThermoFisher	R78007	
GeneRuler Low Range DNA Ladder	ThermoScientific	FERSM1203	
Hygromycin B	ThermoFisher	10687010	
Mini-PROTEAN TBE Gel 10 well	Bio-Rad	4565013	
Mini-PROTEAN TBE-Urea Gel	Bio-Rad	4566033	
miRCAT-33 adapter 5'-TGGAATTCTCGGGTGCCAAGGddC-3'	Any		this protocol is only compatible with the Illumina sequencing platform
Mirus transIT-X2 transfection reagent	Mirus	MIR 6004	
Mth RNA ligase	NEB	E2610S	
PE1.0 5'-AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATC*T-3'	Any		this protocol is only compatible with the Illumina sequencing platform
PE2.0 5'-CAAGCAGAAGACGGCATAACGAGATCGGTCTCGCATTCTGCTGAACCGCTCTTCCGATC*T-3'	Any		this protocol is only compatible with the Illumina sequencing platform
Phenol/Chloroform/Isoamyl Alcohol (25:24:1, pH 6.7, 100 mL)	Fisher	BP1752I-100	
Purple Gel Loading Dye (6x)	NEB	NEB #7025	
Q5 DNA Polymerase	NEB	M0491S/L	
RNase I, <i>E. coli</i> , 1,000 U	Eppicenter	N6901K	
SPIN-X column	Corning	CLS8160-24EA	
Streptavidin beads	ThermoFisher	60210	

Superscript III (SSIII)	ThermoScientific	18080044	reverse transcriptase enzyme
SybrGold	ThermoFisher	S11494	gold nucleic acid gel stain
T4 Polynucleotide Kinase-2500U	NEB	M0201L	
T <sub>4</sub> RNL2 Tr. K227Q	NEB	M0351S	
Tetracycline	Sigma	87128	
Thermostable 5' App DNA/RNA Ligase	NEB	M0319S	
TruSeq_SE1 5'- pGGCACTANNNNNAGATCGGAAGA GCGTCGTGTAGGGAAAGAGTGT- SPACER 18- CTCGGCATTCTGCTGAACCGCTC TTCCGATCTCCTTGGCACCCGAGAATTCCA-3'	Any		this protocol is only compatible with the Illumina sequencing platform
TruSeq_SE10 5'- pGGTGTTCNNNNNAGATCGGAAG AGCGTCGTGTAGGGAAAGAGTGT- SPACER 18- CTCGGCATTCTGCTGAACCGCT CTTCCGATCTCCTTGGCACCCGAGAATTCCA-3'	Any		this protocol is only compatible with the Illumina sequencing platform
TruSeq_SE11 5'- pGGTAAGTNNNNNAGATCGGAAG GAGCGTCGTGTAGGGAAAGAGTGT- SPACER 18- CTCGGCATTCTGCTGAACCGCTC TTCCGATCTCCTTGGCACCCGAGAATTCCA-3'	Any		this protocol is only compatible with the Illumina sequencing platform
TruSeq_SE12 5'- pGGAGATGNNNNNAGATCGGAAGA GCGTCGTGTAGGGAAAGAGTGT- SPACER 18- CTCGGCATTCTGCTGAACCGCTC TTCCGATCTCCTTGGCACCCGAGAATTCCA-3'	Any		this protocol is only compatible with the Illumina sequencing platform
TruSeq_SE2 5'- pGGGTAGCNNNNNAGATCGGAAGAG CGTCGTGTAGGGAAAGAGTGT- SPACER 18- CTCGGCATTCTGCTGAACCGCT CTTCCGATCTCCTTGGCACCCGAGAATTCCA-3'	Any		this protocol is only compatible with the Illumina sequencing platform
TruSeq_SE35'- pGGTCGATNNNNNAGATCGGAAG AGCGTCGTGTAGGGAAAGAGTGT- SPACER 18- CTCGGCATTCTGCTGAACCGCT CTTCCGATCTCCTTGGCACCCGAGAATTCCA-3'	Any		this protocol is only compatible with the Illumina sequencing platform
TruSeq_SE4 5'- pGGCCTCGNNNNNAGATCGGAAGA GCGTCGTGTAGGGAAAGAGTGT- SPACER 18- CTCGGCATTCTGCTGAACCGCTC TTCCGATCTCCTTGGCACCCGAGAATTCCA-3'	Any		this protocol is only compatible with the Illumina sequencing platform
TruSeq_SE5 5'- pGGTGACNNNNNAGATCGGAAGA GCGTCGTGTAGGGAAAGAGTGT- SPACER 18- CTCGGCATTCTGCTGAACCGCTC TTCCGATCTCCTTGGCACCCGAGAATTCCA-3'	Any		this protocol is only compatible with the Illumina sequencing platform
TruSeq_SE6 5'- pGGTAGACNNNNNAGATCGGAAGAG CGTCGTGTAGGGAAAGAGTGT- SPACER 18- CTCGGCATTCTGCTGAACCGCTC CGATCTCCTTGGCACCCGAGAATTCCA-3'	Any		this protocol is only compatible with the Illumina sequencing platform

TruSeq_SE7 5'- pGGGCCCTNNNNNAGATCGGAAG AGCGTCGTGTAGGGAAAGAGTGT- SPACER 18- CTCGGCATTCTGCTGAACCGCTCT TCCGATCTCCTTGGCACCCGAGAAATTCCA-3'	Any		this protocol is only compatible with the Illumina sequencing platform
TruSeq_SE8 5'- pGGATCGGNNNNNAGATCGGAAGAG CGTCGTGTAGGGAAAGAGTGT- SPACER 18- CTCGGCATTCTGCTGAACCGCTCTT CCGATCTCCTTGGCACCCGAGAAATTCCA-3'	Any		this protocol is only compatible with the Illumina sequencing platform
TruSeq_SE9 5'- pGGACTGANNNNNAGATCGGAAGAG CGTCGTGTAGGGAAAGAGTGT- SPACER 18- CTCGGCATTCTGCTGAACCGCTCTTC CGATCTCCTTGGCACCCGAGAAATTCCA-3'	Any		this protocol is only compatible with the Illumina sequencing platform
Typhoon 5 Bimolecular Imager	GE Healthcare Life Science	29187191	