

Materials List for:

Overexpressing Long Noncoding RNAs Using Gene-activating CRISPR

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Materials

Name	Company	Catalog Number	Comments
Ampicillin	Fisher Scientific	BP1760-5	
CaCl ₂	Sigma Aldrich	C1016	
cDNA synthesis kit (iScript)	BioRad	1708891	
dCas9 forward primer	Integrated DNA Technologies	n/a	5'-TCGCCACAGCATAAAGAAGA
dCas9 reverse primer	Integrated DNA Technologies	n/a	5'-CTTTTCATGGTACGCCACCT
dCas9 vector	Addgene	50918	
DMEM	Corning	10013CM	
Ethanol	Acros Organics	61509-0010	
FBS	Sigma Aldrich	F2442	
gRNA plasmid	VectorBuilder	VB180119-1195qvx	
HEK293T cells	ATCC	CRL-1573	
HEPES	Sigma Aldrich	H3375	
HPRT1 forward primer	Integrated DNA Technologies	n/a	GACCAGTCAACAGGGGACAT
HPRT1 reverse primer	Integrated DNA Technologies	n/a	GCTTGCGACCTTGACCATCT
Hygromycin B	Corning	MT3024CR	
Isopropanol	Fisher Scientific	BP2618-500	
Jurkat cells	ATCC	TIB-152	clone E6-1
L-glutamine	Corning	25005CI	
LB agar	Fisher Scientific	BP1425-500	
LB broth	Fisher Scientific	BP1426-2	
Maxi-prep kit (Plasmid Purification Kit)	Qiagen	12362	
Na ₂ HPO ₄	Sigma Aldrich	NIST2186II	
Optimem I reduced serum media	Gibco	31985070	
p24 elisa	Perkin Elmer	NEK050B	
PBS	Corning	21-040-CMR	
Penicillin and Streptomycin	Corning	30-002-CI	
pMDG2.G	Addgene	#12259	
pMDLg/pRRE	Addgene	#60488	
Poly-L-Lysine	Sigma Aldrich	P-4832	
Polybrene	EMD Millipore	TR-1003	
pRSV-REV	Addgene	#12253	

Puromycin dihydrochloride	Sigma Aldrich	P8833	
RNA purification kit (Aurum RNA mini)	BioRad	7326820	
Sodium Butyrate	Sigma Aldrich	B5887	
SYBR green (iTaQ universal)	BioRad	1725122	
Triton X-100	Sigma Aldrich	X100	