

Materials List for:

Dissection of Enhancer Function Using Multiplex CRISPR-based Enhancer Interference in Cell Lines

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Materials

Name	Company	Catalog Number	Comments
ZR 96-well Quick-RNA Kit	Zymo Research	R1053	
Power SYBR Green RNA-to-CT 1-Step	Applied Biosystems	4389986	
AflII restriction enzyme	NEB	R0520S	
Phusion High-Fidelity PCR Master Mix with HF Buffer	NEB	M0531L	
NEBuilder HiFi DNA Assembly Master Mix	NEB	E2621L	
FuGENE HD	Promega	E2312	
DNA Clean & Concentrator Kit	Zymo Research	D4013	
Buffer RLT Plus	Qiagen	1053393	
b-estradiol	Sigma-Aldrich	E2758	
Human: Ishikawa cells	ECACC	99040201	
H3K27ac rabbit polyclonal	Active Motif	39133	
H3K9me3 rabbit polyclonal	Abcam	ab8898	
FLAG mouse monoclonal	Sigma-Aldrich	F1804	
ER alpha rabbit polyclonal	Santa Cruz	sc-544	
pGL3-U6-PGK-Puro plasmid	Addgene	51133	Shen et al., 2014
gRNA_cloningVector plasmid	Addgene	41824	Mali et al., 2013
AflII U6 puromycin plasmid	Addgene	106404	Carleton et al., 2017
SID4X-dCas9-KRAB plasmid	Addgene	106399	Carleton et al., 2017
2-Mercaptoethanol	Sigma-Aldrich	M6250-10ML	
UltraPure DNase/RNase-Free Distilled Water	ThermoFisher Scientific	10977-023	
Opti-MEM I Reduced Serum Medium	Gibco	31985070	
KAPA Stranded mRNA-Seq Kit, with KAPA mRNA Capture Beads	Kapa Biosystems	KK8420	
Pierce Protease and Phosphatase Inhibitor Mini Tablets	ThermoFisher Scientific	A32959	
Formaldehyde solution	Sigma-Aldrich	252549-25ML	
Geneticin Selective Antibiotic (G418 Sulfate) (50 mg/mL)	ThermoFisher Scientific	10131035	
LB Broth	ThermoFisher Scientific	10855001	
Quick-DNA Miniprep Kit	Zymo Research	D3020	
Quick-Load Purple 2-Log DNA Ladder	NEB	N0050S	