

Materials List for:

Enforced Activation of Enhancer RNAs In Situ through the dCas9 Synergistic Activation Mediator System

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Materials

Name	Company	Catalog Number	Comments
Blasticidin	Goldbio	B-800-100	
BsmBI restriction enzyme	New England BioLabs Inc.	R0580S	
Cas9 mAb	Active Motif	61757	Lot: 10216001
Deoxynucleotide (dNTP) Solution Mix	New England BioLabs Inc.	N0447S	
Dulbecco's Modified Eagle Medium	Corning	10-013-CM	
Dynabeads Protein G	Thermo Fisher Scientific	65002	
EDTA	Thermo Fisher Scientific	BP118-500	
EGTA	Sigma	E3889	
Fetal Bovine Serum	GenDEPOT	F0900-050	
Glycogen	Thermo Fisher Scientific	10814010	
Hepes-KOH	Thermo Fisher Scientific	BP310-100	
Hexadimethrine Bromide	Sigma	H9268	
Hygromycin B	Goldbio	H-270-25	
IGEPAL CA630	Sigma	D6750	
IncuCyte live-cell imager	Essen BioScience	IncuCyte S3 Live-Cell Analysis System	
lenti_dCAS-VP64_Blast	Addgene	61425	
lenti_gRNA(MS2)_zeo backbone	Addgene	61427	
lenti_MS2-p65-HSF1_Hygro	Addgene	61426	
LiCl	Sigma	L9650	
Lipofectamine 2000	Thermo Fisher Scientific	11668-500	
NaCl	Sigma	S3014	
Na-Deoxycholate	Sigma	D6750	
NaHCO ₃	Thermo Fisher Scientific	BP328-500	
N-lauroylsarcosine	Sigma	97-78-9	
Opti-MEM Reduced Serum Medium	Thermo Fisher Scientific	31985070	
PES syringe filter	BASIX	13-1001-07	
Protease Inhibitor Cocktail Tablet	Roche Diagnostic	11836145001	
pSpCas9(BB)-2A-Puro	Addgene	62988	
Q5 High-Fidelity DNA Polymerase	New England BioLabs Inc.	M0491S	
Q5 Reaction Buffer	New England BioLabs Inc.	B9027S	

Quick-DNA Miniprep	ZYMO Research	D3025	
Quick-RNA Miniprep	ZYMO Research	R1054	
Restriction enzyme buffer	New England BioLabs Inc.	B7203S	
RT-qPCR Detection System	Thermo Fisher Scientific	Quant Studio3	
SDS	Thermo Fisher Scientific	BP359-500	
Sonicator	Qsonica	Q800R2	
Sso Advanced Universal SYBR Green Supermix	Bio-Rad Laboratories	1725274	
Stbl3 competent cell	Thermo Fisher Scientific	C7373-03	
Superscript IV reverse transcript	Thermo Fisher Scientific	719000	
Surveyor Mutation Detection Kits	Integrated DNA Technologies	706020	
T4 DNA Ligase	New England BioLabs Inc.	M0202S	
T4 DNA Ligase Reaction Buffer	New England BioLabs Inc.	B0202S	
TE buffer	Thermo Fisher Scientific	46009CM	
Thermal cycler	Bio-Rad Laboratories	T100	
Thermomixer	Sigma	5384000020	
Zeocin	Thermo Fisher Scientific	ant-zn-1p	