

Materials List for:

Engineering Artificial Factors to Specifically Manipulate Alternative Splicing in Human Cells

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Materials

Name	Company	Catalog Number	Comments
High-fidelity DNA polymerase (Phusion High-Fidelity) with PCR buffer	New England Biolabs	M0530L	
DNA ligase (T4 DNA ligase)	New England Biolabs	M0202L	
Liposomal transfection reagent (Lipofectamine 2000)	Invitrogen	11668-019	
Reduced serum medium (Opti-MEM)	Gibco	31985-062	
RNA extraction buffer (TRIzol Reagent)	ambion	15596018	TRIzol reagent includes phenol, which can cause burns. Wear gloves when handling
PBS (1x)	Life Technologies	10010-031	
SuperScript III Reverse Transcriptase (RT)	Invitrogen	18080044	
Caspase-3 antibody	Cell Signaling Technology	9668	
PARP antibody	Cell Signaling Technology	9542	
Bcl-x antibody	BD Bioscience	610211	
beta-actin antibody	Sigma-Aldrich	A5441	
alpha-tubulin antibody	Sigma-Aldrich	T5168	
FLAG antibody	Sigma-Aldrich	F4042	
Nitrocellulose membrane	Amersham-Pharmacia	RPN203D	
ECL Western Blotting detection reagents	Invitrogen	WP20005	
Cy5-dCTP	GE Healthcare	PA55021	
Fluorescence-activated Cell Sorter (FACS)	BD Bioscience	FACSCalibur	
Dulbecco's Modified Eagle's Medium (DMEM)	GE Healthcare	SH30243.01	
Fetal Bovine Serum (FBS)	Invitrogen	26140079	
Propidium iodide (PI)	Sigma	P4170	
Bovine Serum Albumin (BSA)	Sigma	A7638-5G	
Triton-X100	Promega	H5142	
Poly-L-Lysine	Sigma	P-4832	Filter-sterilize and store at 4 °C
Vector pWPXLd	Addgene	12258	
Vector pMD2.G	Addgene	12259	

Vector psPAX2	Addgene	12260	
DNase I (RNase-free)	New England Biolabs	M0303S	
Oligo(dT) ₁₈ Primer	Thermo Scientific	SO131	
Anti-mouse secondary antibody (Anti-mouse IgG, HRP-linked Antibody)	Cell Signaling Technology	7076S	