

Materials List for:

Pooled ShRNA Screen for Reactivation of MeCP2 on the Inactive X Chromosome

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Materials

Name	Company	Catalog Number	Comments
293FT Cell Line	Invitrogen	R700-07	
5-Azacytidine	Sigma	A2385-100MG	
Agencourt AMPure XP	Beckman-Coulter	A63881	
Anti-MECP2 antibody	Millipore	07-013	
Collagenase	Sigma	C2674-1G	
Corning 96-Well Solid White Polystyrene Microplates	Fisher Scientific	07-200-336	
Dulbecco's Modified Eagle Medium	Gibco	11965-092	
Expression Arrest microRNA-adapted Retroviral Vector (pMSCV)	Open Biosystems	EAV4679	
Expression Arrest pSM2 Retroviral shRNA library	Open Biosystems	RMM3796	
Fetal Bovine Serum	Fisherbrand	03-600-511	
HiSeq 2500	Illumina	SY-401-2501	Or equivalent
Hygromycin B	Calbiochem	400051-1MU	
Lipofectamine 2000	Invitrogen	11668-019	
Bright-Glo Luciferase Assay System	Promega	E2610	Homogenous Assay for Screening Colonies
Luciferase Assay System	Promega	E4530	Non-Homogenous Assay for Testing Individual Hairpins
Luminometer TopCount NXT	Perkin Elmer	N/A	Or similar luminometer
MiSeq Reagent Kit v2	Illumina	MS-102-2001	Use kit compatible with your equipment
Opti-MEM	Gibco	31985-070	
Penicillin-Streptomycin	Gibco	15140-122	
pMD2.G	Addgene	#12259	VSV-G envelope vector
Polybrene	Sigma	TR-1003-G	
Polyethylenimine	Polysciences	23966-1	
psPAX2	Addgene	#12260	Packaging vector
Puromycin	Gibco	A11138-02	
Trypsin-EDTA (0.05%), phenol red	Gibco	25300-054	