

Materials List for:

siRNA Transfection and EMSA Analyses on Freshly Isolated Human Villous Cytotrophoblasts

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Materials

Name	Company	Catalog Number	Comments
HBSS without Ca ²⁺ , Mg ²⁺	Sigma	#H2387	
HBSS (10x)	Sigma	#14060-057	
DMEM High Glucose without HEPES	Gibco	#12100-061	
HEPES (1 M)	Gibco	#15630-080	
Penicillin-Streptomycin-Neomycin (100x)	Gibco	#15640-055	
Amphotericin B	Sigma	#A2411	
CaCl ₂	Sigma	#C4901	
MgSO ₄ ·7H ₂ O	Sigma	#M	
Fetal bovine serum	Gibco	#16170-078	
Percoll	Sigma	#P-1644	For density gradient
Syncytin-2 siRNA	Ambion Life technologies	#AM16708	
Scrambled siRNA	Qiagen	# SI03650318	
DNase I	Sigma-Aldrich	#D5025	
Trypsine, type I	Sigma	#T8003	
DharmaFECT Lipotransfection reagents	GEhealthcare	# T-2001-01	
Trypsin/EDTA	Life technologies	#25300-062	
Protease Inhibitor Cocktail	Roche Diagnostic	#11873580001	
Pierce BCA Protein Assay Kit	Thermo Scientific	#23225	
BSA	Sigma	#A7906	
TWEEN 20	Sigma	#P9416	
Anti-rabbit IgG, HRP-linked antibody	Cell Signaling	#7074	
BM Chemiluminescence Western Blotting Substrate (POD)	Roche Diagnostic	#11500708001	
DPBS	Life technologies	#14287-080	
T4 Polynucleotide Kinase	NEB	#M0201S	
ATP, [γ - ³² P]	Perkin Elmer	#BLU002A100UC	
Acrylamide	Sigma	#A9099	
TEMED	Life technologies	#17919	
Ammonium Persulfate	Sigma	#A3678	

Anti-human cytokeratin-7 antibody clone LP5K, FITC conjugated	Millipore	CBL194F	Dilution 1:200
FcR blocking reagent	Miltenyi Biotec	130-059-901	Dilution 1:10
Flow Cytometer BD Acuri system	Becton Dickinson		
Microporator MP-100 apparatus	Digital Bio		
Resuspension Buffer R (Neon Transfection System 100 µl Kit)	Life technologies	MPK10096	
PVDF membrane	Millipore	IPVH00010	Activate with methanol
Anti-human GAPDH antibody	Santa Cruz Biotechnology	sc-137179	1:500
HorseRadish Peroxidase (HRP)-conjugated goat anti-rabbit antibody or anti-mouse antibody	Cell Signalling	#7074	1:10,000
HorseRadish Peroxidase (HRP)-conjugated goat anti-mouse antibody	Cell Signalling	#7076	1:10,000
NE-PER Nuclear and Cytoplasmic Extraction Reagent	Thermo Scientific	#78833	
G-25 column	GE Healthcare	#27-5325-01	
Chemiluminescence and fluorescence imaging device	Montréal Biotech	Fusion FX5	
4% native gel	Home made		
PBS	Home made		1x
Personal Molecular Imager (PMI) System	BioRad		