

Materials List for:

Combined Conditional Knockdown and Adapted Sphere Formation Assay to Study a Stemness-Associated Gene of Patient-derived Gastric Cancer Stem Cells

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Materials

Name	Company	Catalog Number	Comments
0.22 µm filter	Millipore	SLGP033RB	
1-Thioglycerol	Sigma-Aldrich	M6145	
2-Mercaptoethanol	Gibco	2068586	
Animal-Free Recombinant Human EGF	Peprtech	AF-100-15	
B-27 Supplement (50X), serum free	Gibco	17504044	
Corning Costar Ultra-Low Attachment Multiple Well Plate	Sigma-Aldrich	CLS3474	
Countess Cell Counting Chamber Slides	Invitrogen	C10228	
Countess II Automated Cell Counter	Invitrogen	AMQAX1000	
D-(+)-Glucose	Sigma-Aldrich	G6152	
DMEM/F-12, HEPES	Gibco	11330032	
DMEM, High Glucose, GlutaMAX, Pyruvate	Gibco	10569044	
Doxycycline hyclate	Sigma-Aldrich	D9891	
DPBS, no calcium, no magnesium	Gibco	14190250	
Fetal Bovine Serum, qualified, Australia	Gibco	10099141	
GlutaMAX Supplement	Gibco	35050061	
Insulin, Transferrin, Selenium Solution (ITS -G), 100X	Gibco	41400045	
lentiviral vector	GeneChem	GV307	
Lenti-X Concentrator	Takara	631232	
Lipofectamine 3000 Transfection Reagent	Invitrogen	L3000015	
MEM Non-Essential Amino Acids Solution, 100X	Gibco	11140050	
Millex-HV Syringe Filter Unit, 0.45 µm, PVDF, 33 mm, gamma sterilized	Millipore	SLHV033RB	
Nalgene General Long-Term Storage Cryogenic Tubes	Thermo Scientific	5000-1020	
Nunc Cell Culture/Petri Dishes	Thermo Scientific	171099	

Opti-MEM I Reduced Serum Medium	Gibco	31985070	
Penicillin-Streptomycin, Liquid	Gibco	15140122	
pHelper 1.0 (gag/pol component)	GeneChem	pHelper 1.0	
pHelper 2.0 (VSVG component)	GeneChem	pHelper 2.0	
Polybrene	Sigma-Aldrich	H9268	
Recombinant Human FGF-basic	Peptotech	100-18B	
Sodium bicarbonate	Sigma-Aldrich	S5761	
STEM-CELLBANKER Cryopreservation Medium	ZENOAQ	11890	
StemPro Accutase Cell Dissociation Solution	Gibco	A1110501	
UltraPure 1 M Tris-HCl Buffer, pH 7.5	Invitrogen	15567027	
ZEISS Inverted Microscope	ZEISS	Axio Vert.A1	