

Isolation of Stably Transfected Melanoma Cell Clones

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jove.com/video/63371

Materials

Name	Company	Catalog Number	Comments
15 ml centrifuge tube	GoogleLab Scientific	G66010522	
150 mm cell culturedish with 20 mm grid	Falcon	353025	
24-wells plate	VWR International	10062-896	
35 mm culture dish	Eppendorf	EP0030700112	
6-well plate	Eppendorf	EP0030700113	
96-well plate	VWR International	10062-900	
Acetic acid, 80% solution	Chempur	115687330	
Agarose	Prona-Abo	BLE500	
Antibiotic-Antimycotic	Gibco	15240062	
anti-GAPDH antibodies	Santa Cruz Biotechnology Inc.,	sc-47724	
anti-GSN antibodies - clone C20	Santa Cruz Biotechnology Inc.,	sc-6405	
anti-GSN antibodies - clone GS-2C4	Sigma-Aldrich	G44896	
Bovine Serum Albumin (BSA)	Sigma-Aldrich	A3294	
Color Taq PCR Master Mix (2x)	EurX	E2525	
Control Double Nickase Plasmid	Santa Cruz Biotechnology Inc.,	sc-437281	
Coverslips	bionovo	16283	
Dako Mounting medium	Clontech	S3023	
DMSO - Dimethyl sulfoxide	applichem	A3672,0250	
DNA Purification Kit	EurX	3555-02	
donkey anti- mouse-Alexa Fluor 488	Invitrogen	# A-21202	
DTT - 1,4-Dithiothreitol	Sigma-Aldrich	10197777001	
EcoRI	Thermo Fisher Scientific	FD0274	
EDTA- ethylenediaminetetraacetic acid	Poch (Pol-Aura)	593280117	
EGTA - ethylene glycol-bis(2-aminoethyl ether)- N,N,N',N'-tetraacetic acid	Sigma-Aldrich	E0396	
FBS - Fetal Bovine Serum	Gibco	10270-106	
Gelsolin CRISPR Plasmids	Santa Cruz Biotechnology Inc.,	sc-401005-NIC	
Formaldehyde	Sigma-Aldrich	P6148	

Glycerol	Sigma-Aldrich	L-4909	
high glucose Dulbecco's modified Eagle's medium with reduced concentration (1.5 g/l) of NaHCO ₃	Polish Academy of Science, Wrocław, Poland	11-500	
Hoechst 33342	Thermo Fisher Scientific	H3570	
L-Glutamine	Gibco	25030-024	
Lignin	Bionovo	B-0521	
Lipofectamine 3000 Transfection Reagent	Invitrogen	L3000-008	
Na ₃ VO ₄	Sigma-Aldrich	S6508	
Na ₄ P ₂ O ₇	Sigma-Aldrich	P8010	
NaF	Sigma-Aldrich	450022	
NEBuilder Assembly Tool	http://nebuilder.neb.com/#/		
pACGFP-C1	Clontech		
PageRuler Prestained Protein Ladder	Thermo Fisher Scientific	26616	
Perfect 100 bp DNA ladder	EurX	E3134	
phalloidin-Alexa Fluor 568	Invitrogen	A12380	
Phosphatase Inhibitor Cocktail 2	Sigma-Aldrich	P5726	
Phosphatase Inhibitor Cocktail 3	Sigma-Aldrich	P0044	
Phusion High-Fidelity DNA Polymerase	Thermo Fisher Scientific	F530S	
Pierce BCA Protein Assay Kit	Thermo Fisher Scientific	23225	
polyethylenimine (PEI)	Sigma-Aldrich	408727	
protease inhibitor cocktail	Sigma-Aldrich	P8340	
puromycin	InvivoGen	ant-pr	
SDS - sodium dodecyl sulfate	Sigma-Aldrich	L4509	
silicone	CX80 Polska		
Sodium chloride - NaCl	Chempur	7647-14-5	
sodium deoxycholate	Sigma-Aldrich	D6750259	
sucrose	Poch (Pol-Aura)	PA-06-772090110	
the glass cylinders	Sigma-Aldrich	C3983-50EA	
Tissue Culture Flask 25mL	VWR International	10062-868	
Tissue-culture 75 cm ² flask	VWR	10062-872	
Trisma base	Sigma-Aldrich	T1503	
Triton X-100	Sigma-Aldrich	X100	
trypsin	Polish Academy of Science, Wrocław, Poland	20-500	
urea	Sigma-Aldrich	8656	
xylene solution	Chempur	115208603	