

Materials List for:

In Vitro Establishment of a Genetically Engineered Murine Head and Neck Cancer Cell Line using an Adeno-Associated Virus-Cas9 System

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URL: <https://www.jove.com/video/60410>

DOI: [doi:10.3791/60410](https://doi.org/10.3791/60410)

Materials

Name	Company	Catalog Number	Comments
Antibodies			
Anti mouse HRP	Jackson ImmunoResearch	115-035-146	
Anti rabbit HRP	Jackson ImmunoResearch	711-035-152	
Cas9 Mouse mAb	Cell Signaling Technology	14697	
Cre	BioLegend	900901	
Cy3-AffiniPure Goat Anti-Mouse IgG	Jackson ImmunoResearch	115-165-062	
Cy-AffiniPure Goat Anti-Rabbit IgG	Jackson ImmunoResearch	111-165-144	
GFP	Santa Cruz Biotechnology	sc-9996	
Phospho-p44/42 MAPK (Erk1/2)	Cell Signaling Technology	4370	
Rabbit monoclonal anti E cadherin	Cell Signaling Technology	3195S	
Rabbit monoclonal anti-KRT 14	Abcam	AB-ab181595	
β actin	MP Biomedicals	691001	
β catenin	Cell Signaling Technology	9582S	
Cell lines			
HEK93T	ATCC	CRL-3216	
Culture Media, Chemicals and Reagents			
Bradford Reagent	Bio-Rad	30015484	
BSA	Amresco	0332-TAM-50G	
DAPI fluoromount	Southern Biotech	0100-20	
DMEM	Biological Industries Israel Beit-Haemek Ltd.	01-055-1A	
ECL (Westar Supernova and Westar Nova 2.0)	Cyanagen	XLS3.0100 and XLS071.0250	
FBS	Biological Industries Israel Beit-Haemek Ltd.	04-127-1A	
HBSS	Sigma	H6648	
Heparin - Agarose	Sigma	H6508	
Isolate II Genomic DNA Kit	Bioline	BIO-52066	
MgCl ₂	Panreac AppliChem	300283	
NaCl	Bio Lab Ltd	1903059100	

PBS	Biological Industries Israel Beit-Haemek Ltd.	02-023-1A	
PEI	Polysciences	23966-1	
Pen Strep Solution	Biological Industries Israel Beit-Haemek Ltd.	03-031-1B	
PFA	Santa Cruz Biotechnology	30525-89-4	
Phosphatase inhibitor cocktail	Biotool	B15001A/B	
Protease inhibitor cocktail	MilliporeSigma	P2714-1BTL	
Tris buffer	MERCK Millipore	648311-1KG	
Enzymes			
Benzonase	Sigma	E1014	
Collagenase IV	Thermo Fisher Scientific	17104019	
DNAse	Thermo Fisher Scientific	18047019	
Hyaluronidase	MilliporeSigma	H3506	
Trypsin	Biological Industries Israel Beit-Haemek Ltd.	03-050-1B	
Glass wares			
Cover slips	Bar Naor	BNCB00130RA1	
Slides	Bar Naor	BN9308C	
Mouse strains			
C57BL/6	Envigo		
B6;129-Gt(ROSA)26Sor ^{tm1(CAG-cas9*,-EGFP)Fzh₁/J}	Jackson labs	24857	
NOD.CB17-Prkdc-scId/NCr Hsd (Nod.ScId)	Envigo		
Plasmids			
AAV pCM109 EFS Cre sg APC sg Kras sg P53- Kras HDR	Broad Institute of MIT		Kind gift from Dr Randall J Platt and Dr. Joseph Rosenbluh, Broad Institute of MIT and Harvard, Cambridge, MA 02142, USA
AAV 2/9 capsid vector	Addgene	112865	
pAD Delta F5 helper	Ben Gurion University of the Negev		Provided by Dr Daniel Gitler, Department of Physiology and Cell Biology, Faculty of Health Sciences, and Zlotowski Center for Neuroscience, Ben-Gurion University of the Negev, Beer-Sheva 84105, Israel.
Plastic wares			
Amicon-ULTRA filter 100 KDa	Millipore	UFC910024	
0.22 µm sterile filters, 4 mm	Millex	SLGV004SL	
0.45 µm sterile filters, 13 mm	Millex	SLHV013SL	
Culture plates	Greiner Bio-One		
Falcon tubes	Greiner Bio-One		