

Materials List for:

Cell Surface Receptor Identification Using Genome-Scale CRISPR/Cas9 Genetic Screens

Sumana Sharma^{1,2}, Gavin J. Wright¹

¹Cell Surface Signalling Laboratory, Wellcome Trust Sanger Institute

²EMBL-EBI, Wellcome Genome Campus

Correspondence to: Sumana Sharma at sumana@ebi.ac.uk

URL: <https://www.jove.com/video/60803>

DOI: [doi:10.3791/60803](https://doi.org/10.3791/60803)

Materials

Name	Company	Catalog Number	Comments
Anti-mouse alkaline phosphatase	Sigma	A4656	
Blasticidin	Chem-Cruz	SC-204655	
Blood & Cell Culture DNA Maxi Kit	Qiagen	13362	
BSA	Sigma	A9647-100G	
Diethanolamine	Sigma	398179	
DMEM	Gibco	31966-021	
Dneasy Blood and Tissue kit	Qiagen	69504	
DynaMag-96 Side Magnet	Invitrogen	12331D	
HEK293T packaging cells	ATCC	CRL-3216	
Heparin	Sigma	H4784-1G	
KAPA HiFi HotStart ReadyMix	Kapa	KK2602	
Lipofectamine LTX with PLUS reagent	Invitrogen	15338100	
MoFlo XDP cell sorter	BD		
Ni ²⁺ -NTA agarose beads	Jena Bioscience	AC-501-25	
OPTI-MEM	Life Technologies	31985-070	
OX-68 antibody	AbD Serotec	MCA1022R	
p-nitrophenyl phosphate	Sigma	1040-506	
PD-10 desalting columns	GE healthcare	17085101	
Polybrene	Millipore	TR-1003-G	
Polypropylene tubes with 5 mL bed volume	Qiagen	34964	
Proteinase K, recombinant, PCR Grade	Roche	3115879001	
Puromycin	Gibco	A11138-03	
Q5 Hot Start High-Fidelity 2x Master Mix	NEB	M0494L	
QIAquick PCR purification kit	Qiagen	28104	
SCFA filter	Nalgene	190-2545	
Sony Cell sorter	Sony		
SPRI beads (Agencourt AMPure XP beads)	Beckman	A63881	
Streptavidin-coated microtitre plates	Nalgene	734-1284	
Streptavidin-PE	Biolegend	405204	