

Materials List for

Development of Knock-Out Muscle Cell Lines using Lentivirus-Mediated CRISPR/Cas9 Gene Editing

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Materials

Name	Company	Catalog Number	Comments
Anti-CACNA1S antibody	Sigma-Aldrich	HPA048892	Primary antibody
Bsp I	NE BioLabs	R0585S	Restriction enzyme
CalPhos Mammalian Transfection Kit	Takara	631312	Transfection kit
Easy blot anti Mouse IgG	GeneTex	GTX221667-01	HRP secondary antibody
Easy blot anti Rabbit IgG	GeneTex	GTX221666	HRP secondary antibody
Fluo-4 direct	Molecular Probes	F10472	Calcium imaging
GAPDH(14C10) Rabbit mAb	Cell Signaling Technology	#2118	Primary antibody
HindIII	Fermentas	ER0501	Restriction enzyme
InFusion HD Precision Plus	Takara	638920	Ligation kit
MasterMix Phusion High Fidelity with GC	ThermoFisher Scientific	F532L	Mix for PCR reaction with High fidelity Taq polymerase and dNTPs
Myosin Heavy Chain antibody	DHSB	MF20	Primary antibody
NucleoBond Xtra Maxi EF	Macherey-Nagel	REF 740424	Maxipreparation kit for purification of plasmids
NucleoSpin Gel and PCR Clean-up	Macherey-Nagel	740609	DNA purification
NucleoSpin Tissue	Macherey-Nagel	740952	Kit for DNA extraction from cell
One Shot Stbl3 Chemically Competent E. coli	ThermoFisher Scientific	C737303	Chemically competent cells
Plasmid #87904	Addgene	87904	Lentiviral plasmid encoding the SpCas9 (for LV-Cas9)
Plasmid #87919	Addgene	87919	Lentiviral backbone for insertion of cassette with guides (for LV-guide-target)
Plasmid #12260	Addgene	12260	Lentiviral plasmid encoding lentiviral packaging GAG POL
Plasmid #8454	Addgene	8454	Lentiviral plasmid encoding envelope protein for producing lentiviral and MuLV retroviral particles
V5 Tag Monoclonal Antibody	Invitrogene	R96025	Primary antibody
XL10-Gold Ultracompetent Cells	Agilent	200317	Chemically competent cells

Xma I	NE BioLabs	R0180S	Restriction enzyme
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