

Materials List for:

CRISPR-mediated Loss of Function Analysis in Cerebellar Granule Cells Using *In Utero* Electroporation-based Gene Transfer

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Materials

Name	Company	Catalog Number	Comments
Alexa 488 Goat anti-Chicken	ThermoFisher	A11039	1:400 dilution
Alexa 568 Donkey anti-Mouse	Life Technologies	A-10037	1:400 dilution
Alexa 594 Donkey anti-Rabbit	ThermoFisher	A21207	1:400 dilution
Alexa 647 Donkey anti-Rabbit	Life Technologies	A31573	1:400 dilution
Alkaline Phosphatase (FastAP)	ThermoFisher	EF0654	
Autoclave band	Kisker Biotech	150262	
BamHI (HF)	NEB	R3136S	
BbsI (FastDigest)	ThermoFisher	FD1014	
Cellulose Filter Paper (Whatman)	Sigma-Aldrich	WHA10347525	
Cloth	Tork	530378	
Confocal laser scanning microscope	Zeiss	LSM800	
D-Luciferin	biovision	7903-1	
DAPI	Sigma-Aldrich	D9542	1:1000 dilution
Disposable plastic molds (Tissue-Tek Cyromold)	VWR	4566	
DMEM Glutamax	ThermoFisher	31966047	
Donkey serum	Sigma-Aldrich	D9663	
EcoRI (HF)	NEB	R3101S	
Electro Square Porator	BTX	ECM830	
Endofree Maxi Kit	Qiagen	12362	
Ethanol	Merck	107017	
Eye ointment (Bepanthen)	Bayer	81552983	
Fast Green	Merck	104022	
FBS	ThermoFisher	10270-016	
Filter (0.22 µm)	Merck	F8148	
Fluorescent cell imager (ZOE)	Biorad	1450031	
Forceps straight	Fine Science Tools	91150-20	
Gauze (X100 ES-pads 8f 10 x 10 cm)	Fisher Scientific	15387311	
GFP antibody	Abcam	ab13970	1:1000 dilution

Gibson Assembly Master Mix	NEB	E2611S	
Glass Capillary with Filament	Narishige	GD1-2	
Heating Pad	ThermoLux	463265 / -67	
Image Processing software (ImageJ and Fiji)	NIH	-	
Insulin syringe (B. Braun OMNISCAN U-100)	Carl Roth	AKP0.1	
Isoflurane	Zoetis	TU061219	
IVIS Lumina LT Series III Caliper	Perkin Elmer	CLS136331	
Kalt Suture Needles	Fine Science Tools	12050-02	
KAPA HIFI HOTSTART READY mix	Kapa Biosystems	KK2601	
Ki67 antibody	Abcam	ab15580	1:500 dilution
Light Pointer	Photonic	PL3000	
Liquid blocker pen	Kisker Biotech	MKP-1	
Metamizol	WDT	-	
Microgrinder	Narishige	EG-45	
Microinjector	Narishige	IM300	
Micropipette Puller	Sutter Instrument Co.	P-97	
Microscope software ZEN	Zeiss	-	
Non-sterile Silk Suture Thread (0.12 mm)	Fine Science Tools	18020-50	
O.C.T. Compound (Tissue-Tek)	VWR	4583	
p27 antibody	BD bioscience	610241	1:200 dilution
Paraformaldehyde	Roth	335.3	
PBS (1x)	Life Technologies	14190169	
pCAG-EGxxFP	Addgene	50716	
Polyethylenimine	Sigma-Aldrich	408727	
pX330 plasmid	Addgene	42230	
QIAprep Spin Miniprep Kit	Qiagen	27104	
QIAquick Gel Extraction Kit	Qiagen	28704	
Quick Ligation Kit	NEB	M2200S	
Ring Forceps	Fine Science Tools	11103-09	
Slides (SuperFrost)	ThermoFisher	10417002	
Software for biostatistics (Prism 7)	GraphPad Software, Inc	-	
Spitacid	EcoLab	3003840	
Stereomicroscope	Nikon	C-PS	
Sucrose	Sigma-Aldrich	S5016	
Surgical scissors	Fine Science Tools	91460-11	
Surgical scissors with blunt tip	Fine Science Tools	14072-10	
Suture (Supramid schwarz DS 16, 1.5 (4/0))	SMI	220340	
T4 DNA Ligation Buffer	NEB	B0202S	
T4 PNK	NEB	M0201S	
Tissue scissors Blunt (11.5 cm)	Fine Science Tools	14072-10	
TOP2B antibody	Santa Cruz	sc13059	1:200 dilution
Trypsin (2.5 %)	ThermoFisher	15090046	

Tweezers w/5mm Ø disk electrodes Platinum	Xceltis GmbH	CUY650P5	
Vaporizer	Drägerwerk AG	GS186	