

Materials List for:

Exon Skipping in Directly Reprogrammed Myotubes Obtained from Human Urine-Derived Cells

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Materials

Name	Company	Catalog Number	Comments
1% P/S Solution Stabilized	Thermo Fisher	15070-063	Cell culture
Amphotericin B	Sigma Aldrich	A2942	
Anti-dystrophin	Abcam	ab15277	Western blot (WB)
Anti-dystrophin	Leica	NCL-DYS1	Immunocytochemistry (ICC)
Anti-mouse IgG, Dylight 488	Vector Laboratories	DK-2488	ICC
Anti- α -tubulin	Sigma	T6199	Western blot and ICC
BZ-X800	KEYENCE	BZ-800	Fluorescent microscope
CELLBANKER	ZENOAQ	CB011	Cell stock in liquid nitrogen
ChemiDoc MP Imaging System	Bio-Rad	170-8280J1	WB
CloneAmp HiFi PCR premix	Clontech	639298	Retroviral production
cOmplete Protease Inhibitor Cocktail	Roche	4693116001	Protein extraction for WB
E.coli DH5 α Competent Cells	TAKARA	9057	
ECL Prime Western Blotting Detection Reagent	GE healthcare	RPN2232	WB
EGF	Peptotech	AF-100-15	Cell culture
Endo-Porter	GeneTools	2922498000	ASO transfection
Extra Thick Blot Filter Paper	Bio-Rad	1703965	WB
EzFastBlot HMW	Atto	AE-1460	WB
fibroblast growth factor-basic	Sigma-Aldrich	F0291	Cell culture
Glutamax	Thermo Fisher Scientific	35050-061	Cell culture
GP2-293 packaging cells	Clontech	631458	Retroviral production
Ham's F-12 Nutrient Mix	Thermo Fisher Scientific	11765-054	Cell culture
High glucose DMEM with GlutaMAX-I	Thermo Fisher Scientific	10569-010	Cell culture
High glucose DMEM without sodium pyruvate	GE Healthcare	SH30022.01	Cell culture
HiSpeed Plasmid Purification Kit	QIAGEN	12643	Retroviral production
Histofine Simple Stain MAX PO	NICHIREI BIOSCIENCE INC.	424151	WB
Hoechst 33342	Thermo Fisher Scientific	H3570	ICC
Human PDGF-AB	Peptotech	100-00AB-10UG	Cell culture
iBind Flex Solution	Thermo Fisher Scientific	SLF2020	WB
iBind Flex Western Device	Thermo Fisher Scientific	SLF2000	WB (Automated western-processing device)
Immobilon-P Transfer Membrane (PVDF)	MERCK	IPVH304F0	WB

In-Fusion HD cloning Kit	Clontech	639648	Retroviral production
ITS Liquid Media Supplement	Sigma-Aldrich	I3146	Cell culture
MILTEX HV 0.45 µm filter	MERCK	SLHV033RS	Retroviral production
MultiNA	SHIMADZU	MCE-202	Microchip electrophoresis
MYOD1 (GFP-tagged)	ORIGENE	RG209108	Retroviral production
NanoDrop	Thermo Fisher	ND-ONE-W	Spectrophotometer
Nonessential amino acids	Thermo Fisher	11140-050	Cell culture
NucleoSpin Gel and PCR Clean-Up Kit	Clontech	740986.20	PCR clean up
NuPAGE 3-8% Tris-Acetate Protein Gels	Invitrogen	EA03785BOX	WB
NuPAGE Antioxidant	Invitrogen	NP0005	WB
NuPAGE LDS Sample Buffer	Invitrogen	NP0007	WB
NuPAGE Sample Reducing Agent	Invitrogen	NP0009	WB
NuPAGE Tris-Acetate SDS Running Buffer	Invitrogen	LA0041	WB
One Step TB Green PrimeScript RT-PCR Kit	TAKARA	RR066A	Titer check of retroviral vector
PBS	Thermo Fisher Scientific	14190-250	Cell culture
Pierce BCA Protein Assay Kit	Thermo Scientific	23227	WB
Polybrene Infection / Transfection Reagent	Sigma-Aldrich	TR-1003	Retroviral infection
pRetroX-TetOne-Puro Vector	Clontech	634307	Retroviral vecor
Puromycin	Clontech	631305	Cell culture
QIAGEN OneStep RT-PCR Kit	Qiagen	210212	PCR
REGM Bullet Kit	Lonza	CC-3190	Material for growth medium of UDCs
REGM SingleQuots	Lonza	CC-4127	Material for primary medium of UDCs
Retrovirus Titer Set	TAKARA	6166	Titer check of retroviral vector
Retro-X Concentrator	Clontech	631455	Retroviral production
RIPA buffer	Thermo Fisher Scientific	89901	WB
RNeasy kit	Qiagen	74104	RNA extraction for PCR
Tetracycline-free foetal bovine serum	Clontech	631106	Cell culture
Triton-X	MP Biomedicals	9002-93-1	ICC
Trypsin-EDTA (0.05%)	Gibco	25300054	Cell culture
XCell SureLock Mini-Cell	Invitrogen	EI0001	WB
Xfect transfection reagent	Clontech	631317	Transfection of plasmids into packaging cells