

Materials List for

# High-Efficiency Gene Disruption in Primary Bone Marrow-Derived Macrophages Using Electroporated Cas9-sgRNA Complexes

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jove.com/video/65264

## Materials

Name	Company	Catalog Number	Comments
3T3-MCSF Cell Line	Gift from Russell Vance	not applicable	
Alt-R Cas9 Electroporation Enhancer	IDT	1075915	
Ampure XP Reagent Beads	Beckman Coulter	A63880	
Calf intestinal alkaline phosphatase	NEB	M0525S	
DNase	NEB	M0303S	
DPBS +Ca/Mg (0.9mM CaCl <sub>2</sub> and 0.5mM MgCl <sub>2</sub> )	Thermo Fisher	14040-133	
DPBS -Ca/Mg	Thermo Fisher	14190-144	
Exol	NEB	M0293S	
Fetal Calf Serum (FCS)	Corning	35-015-CV	
Herculase DNA polymerase & buffer	Agilent	600677	
HiScribe T7 High Yield RNA Synthesis Kit	NEB	E2040S	
LoBind conical tubes 15 mL	Eppendorf	30122216	
LoBind Eppendorf tubes 2 mL	Eppendorf	22431102	
NEBuffer r2.1	NEB	B6002S	
Neon Transfection System	Thermo Fisher	MPK5000, MPP100, MPS100	
Neon Transfection System 10 uL Tips	Thermo Fisher	MPK1025 or MPK1096	
PBS + 1mM EDTA	Lonza	BE02017F	
Proteinase K	Thermo Fisher	EO0491	
rCutSmart Buffer for Exol	NEB	B6004S	
Ribolock	Thermo Fisher	EO0384	
RNA loading dye	NEB	B0363S	
RNeasy Mini Kit	Qiagen	74104	
S. pyogenes Cas9-NLS	University of California Macro Lab	not applicable	Available to non-UC investigators through <a href="https://qb3.berkeley.edu">https://qb3.berkeley.edu</a>

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S. pyogenes Cas9-NLS, modified 3rd Generation	IDT	1081059	
SAP	NEB	M0371S	