

Micu1 Knockout cell line (C2C12)

Catalog Number: KO01075

Product Information

Product Name	Micu1 Knockout cell line (C2C12)
specification	1*10 ⁶
Storage and transportation	Dry ice preservation/T25 live cell transportation.
Cell morphology	Myoblast like, adherent cells
Passage ratio	1:3~1:4
species	Mouse
Gene	Micu1
Gene ID	216001
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	90%DMEM+10% FBS
Parental Cell Line	C2C12
Quality Control	Genotype: Micu1 Knockout cell line (C2C12) >95% viability before freezing. All cells were tested and found to be free of bacterial, viruses, mycoplasma and other toxins.

Gene Information

Gene Official Full Name	mitochondrial calcium uptake 1provided by MGI
Also known as	Calc; Cbara1; C730016L05Rik
Gene Description	Enables calcium ion binding activity; calcium ion sensor activity; and protein heterodimerization activity. Involved in calcium import into the mitochondrion and positive regulation of cristae formation. Located in mitochondrial intermembrane space. Part of calcium channel complex. Is active in mitochondrial inner membrane. Is expressed in several structures, including genitourinary system; liver; nervous system; parathyroid gland; and respiratory system. Human ortholog(s) of this gene implicated in myopathy with extrapyramidal signs. Orthologous to human MICU1 (mitochondrial calcium uptake 1). [provided by Alliance of Genome Resources, Apr 2025]
Expression	Ubiquitous expression in large intestine adult (RPKM 46.0), duodenum adult (RPKM 43.8) and 28 other tissues See more