

Fto Knockout cell line (NIT-1)

Catalog Number: KO01080

Product Information	
Product Name	Fto Knockout cell line (NIT-1)
specification	1*10^6
Storage and transportation	Dry ice preservation/T25 live cell transportation.
Cell morphology	Epithelioid, adherent cell
Passage ratio	1:3~1:4
species	Mouse
Gene	Fto
Gene ID	26383
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	90%DMEM/F12+10% FBS
Parental Cell Line	NIT-1
Quality Control	Genotype: Fto Knockout cell line (NIT-1) >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	FTO alpha-ketoglutarate dependent dioxygenaseprovided by MGI
Also known as	mKIAA1752
Gene Description	Enables broad specificity oxidative DNA demethylase activity and oxidative RNA demethylase activity. Involved in several processes, including DNA alkylation repair; RNA repair; and regulation of respiratory system process. Located in nucleus. Is expressed in several structures, including alimentary system; cerebral cortex; gonad; hemolymphoid system gland; and liver. Human ortholog(s) of this gene implicated in several diseases, including artery disease (multiple); diabetic neuropathy; nuclear senile cataract; renal cell carcinoma (multiple); and type 2 diabetes mellitus. Orthologous to human FTO (FTO alpha-ketoglutarate dependent dioxygenase). [provided by Alliance of Genome Resources, Apr 2025]
Expression	Ubiquitous expression in cerebellum adult (RPKM 31.5), whole brain E14.5 (RPKM 30.4) and 28 other tissues See more

