

Mif knockout cell line (MC38)

Catalog Number: KO01148

Product Information	
Product Name	Mif knockout cell line (MC38)
specification	1*10 ⁶
Storage and transportation	Dry ice preservation/T25 live cell transportation.
Cell morphology	Epitheloid, semi-adherent semi-suspension cells
Passage ratio	1 : 2-1 : 4
species	Mouse
Gene	Mif
Gene ID	17319
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	90% DMEM+10%FBS
Parental Cell Line	MC38
Quality Control	Genotype: Mif knockout cell line (MC38) >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	macrophage migration inhibitory factor (glycosylation-inhibiting factor) provided by MGI
Also known as	GIF; DER6; Glif
Gene Description	Enables cytokine activity; phenylpyruvate tautomerase activity; and protease binding activity. Involved in several processes, including positive regulation of cytokine production; positive regulation of icosanoid secretion; and regulation of signal transduction. Acts upstream of or within DNA damage response, signal transduction by p53 class mediator; cellular senescence; and regulation of cell population proliferation. Located in extracellular space. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; respiratory system; and sensory organ. Human ortholog(s) of this gene implicated in allergic disease; asthma; cystic fibrosis; lung disease (multiple); and obesity. Orthologous to human MIF (macrophage migration inhibitory factor). [provided by Alliance of Genome Resources, Apr 2025]
Expression	Ubiquitous expression in ovary adult (RPKM 1212.9), kidney adult (RPKM 1020.4) and 28 other tissues See more

