

Active Recombinant Mouse Mfge8, His-tagged

Cat. No. Mfge8-407M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mfge8(Ala23-Cys463), fused with a C-terminal 6-His tag, was expressed in Mouse NS0 Cells.
Species	Mouse
Source	Mammalian Cells
ProteinLength	23-463 a.a.
Description	Milk fat globule-EGF factor 8 protein (Mfge8), also known as lactadherin, is a protein which in humans is encoded by the MFGE8 gene.
Predicted N Terminal	Ala23
Form	Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of SVEC4-10 mouse vascular endothelial cells. The ED50 for this effect is typically 10-50 ng/mL.
Molecular Mass	Predicted Molecular Mass: 49.8 kDaSDS-PAGE: 67 kDa, reducing conditions
Endotoxin	< 1.0 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100 µg/mL in sterile PBS.

GENE INFORMATION

Gene Name Mfge8 milk fat globule-EGF factor 8 protein [Mus musculus (house mouse)]

Official Symbol Mfge8

Synonyms Mfge8; milk fat globule-EGF factor 8 protein; P47; MP47; Mfgm; SED1; MFG-E8; AA408458; AI325141; lactadherin; lactadherin; EGF/factor VIII; milk fat globule glycoprotein; sperm surface protein SP47

Gene ID 17304

mRNA Refseq NM_001045489

Protein Refseq NP_001038954

UniProt ID P21956

Chromosome Location 7 D3; 7 44.9 cM

Pathway Amyloids, organism-specific biosystem; Disease, organism-specific biosystem

Function integrin binding; phosphatidylethanolamine binding; phosphatidylserine binding

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