

Active Recombinant Human MFGE8, His-tagged

Cat. No. MFGE8-408H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MFGE8(Leu24-Cys387), fused with a C-terminal 6-His tag, was expressed in Mouse NS0 Cells.
Species	Human
Source	Mammalian Cells
ProteinLength	24-387 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	Leu24
Form	Lyophilized from a 0.2 µ filtered solution in NaH ₂ PO ₄ and NaCl.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of SVEC4-10 mouse vascular endothelial cells. When 5 x 10 ⁴ cells/well are added to Recombinant Human MFG-E8 coated plates (10 µg/mL, 100 µl/well), approximately 45-75% will adhere after 60 minutes at 37 °C.
Molecular Mass	Predicted Molecular Mass: 41.6 kDaSDS-PAGE: 45-50 kDa, reducing conditions
Endotoxin	< 1.0 EU per 1 µg of the protein by the LAL method.

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Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
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 [Homo sapiens (human)]
Official Symbol	MFGE8
Synonyms	MFGE8; milk fat globule-EGF factor 8 protein; BA46; HMFG; MFGM; SED1; hP47; EDIL1; MFG-E8; SPAG10; OAcGD3S; HsT19888; lactadherin; O-acetyl disialoganglioside synthase; breast epithelial antigen BA46; medin; sperm associated antigen 10; sperm surface protein hP47
Gene ID	4240
mRNA Refseq	NM_001114614
Protein Refseq	NP_001108086
MIM	602281
UniProt ID	Q08431
Chromosome Location	15q25

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Pathway	Amyloids, organism-specific biosystem; Disease, organism-specific biosystem; Integrins in angiogenesis, organism-specific biosystem
Function	integrin binding; phosphatidylethanolamine binding; phosphatidylserine binding

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