

## Active Recombinant Mouse Mfge8 protein, His-tagged

**Cat. No.** Mfge8-408M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Mfge8 protein(Ala23-Cys463), fused with C-terminal His tag, was expressed in HEK293.                                                                                                                                                              |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 23-463 aa                                                                                                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.                                                                                                                                                                                                        |
| <b>Bio-activity</b>     | 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 25.33-101.30 ng/mL, corresponding to a specific activity of $9.87 \times 10^3 \sim 3.95 \times 10^4$ units/mg. |
| <b>Molecular Mass</b>   | 49.84 kDa                                                                                                                                                                                                                                                           |
| <b>Endotoxin</b>        | < 0.1 EU/µg of the protein by LAL method.                                                                                                                                                                                                                           |
| <b>Purity</b>           | ≥ 95 % as determined by SDS-PAGE.                                                                                                                                                                                                                                   |
| <b>Storage</b>          | Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.                                                       |

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**Reconstitution**

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

**GENE INFORMATION**

**Gene Name** [Mfge8 milk fat globule-EGF factor 8 protein \[ Mus musculus \]](#)

**Official Symbol** [Mfge8](#)

**Synonyms**

MFGE8; milk fat globule-EGF factor 8 protein; lactadherin; MP47; EGF/factor VIII; sperm surface protein SP47; milk fat globule glycoprotein; P47; Mfgm; SED1; MFG-E8; AA408458; AI325141;

**Gene ID** [17304](#)

**mRNA Refseq** [NM\\_001045489](#)

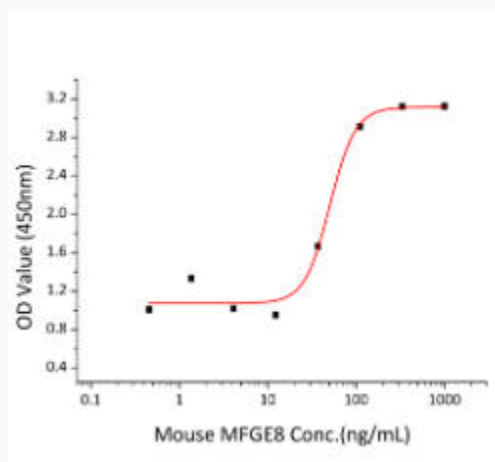
**Protein Refseq** [NP\\_001038954](#)

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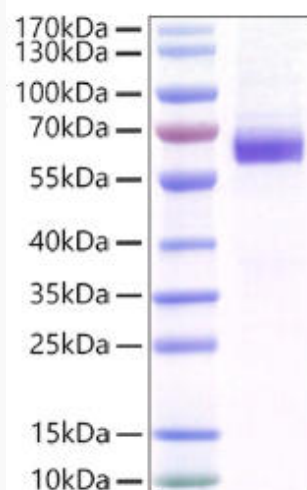
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## Activity



## SDS-PAGE



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