

## MFGE8 Protein, Rat, Recombinant (His)

### General Information

|                       |   |
|-----------------------|---|
| Synonyms:             | Milk fat globule-EGF factor 8 (MFG-E8);Ags;Mfge8;MFGM;SED1;O-acetyl GD3 ganglioside synthase (AGS);Lactadherin  |
| Protein Construction: | 23-427 aa   |
| Species:              | Rat   |
| Expression Host:      | E. coli   |
| Accession:            | P70490  |
| Molecular Weight:     | 51.1 kDa (Predicted)  |
| AA Sequence:          | ASGDFCDSSLCLNGGTCLMGQDNDIYCLCPEGFTGLVCNETEKGPCSPNPFHDAKCLVTEDTQRGDIFTEYI<br>CQCPVGYSGIHCELGCSTKLGLEGGAIADSQISASSVYMGFMGLQRWGPPEARLYRTGIVNAWTASSYDSKP<br>WIQVDFLRKMRVSGVMTQGASRAGRAEYLKTFKVAYS LDGRRFEFIQDESGTGDKFEMGNQDNNSLKINMF<br>NPTLEAQYIRLYPVSCHRGCTLRFELLGCELHGCSEPLGLKNN TIPDSQITASSSYKTWNLRAFGWYPH LGRLD<br>NQGKINAWTAQSNSAKEWLQVDLGTQKKVTGIITQGARDFGHIQYVASYKVAHSDDGVQWTVYEEQGTSK<br>VFQGNLDNNSHKKNIFEKPFMARYVRVPLSWHN RITLRLELLGC |

### QC Testing

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|----------------------|---|
| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity:              | > 90% as determined by SDS-PAGE.  |
| Endotoxin:           | Not tested.   |
| Formulation:         | Lyophilized from PBS, 6% Trehalose, pH 7.4  |

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 59 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481