

MOUSE MFGE8 PROTEIN, HIS TAG

Cat.#: 12151

Product Name: Mouse MFGE8 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: MFGM;SED1;MP47;FG-E8

Target: MFGE8

UNIPROT ID: P21956

Description: Recombinant mouse MFGE8 protein with C-terminal 6xHis tag

Background: Contributes to phagocytic removal of apoptotic cells in many tissues. Specific ligand for the alpha-v/beta-3 and alpha-v/beta-5 receptors. Also binds to phosphatidylserine-enriched cell surfaces in a receptor-independent manner. Zona pellucida-binding protein which may play a role in gamete interaction (By similarity). Plays an important role in the maintenance of intestinal epithelial homeostasis and the promotion of mucosal healing. Promotes VEGF-dependent neovascularization.[UniProtKB/Swiss-Prot Function]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 49.8 kDa after removal of the signal peptide. The apparent molecular mass of mMFGE8-His is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: Mouse MFGE8(Ala23-Cys463) 6xHis tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

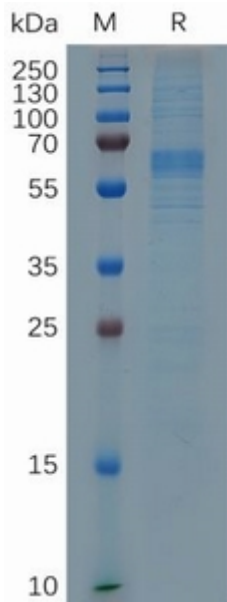


Figure 1. Mouse MFGE8 Protein, His Tag on SDS-PAGE under reducing condition.