

MFG-E8 Protein, Human (Biotinylated, sf9, His-Avi)

Cat. No.:	HY-P73816
Synonyms:	Lactadherin; HMFG; MFGM; MFG-E8; SED1
Species:	Human
Source:	Sf9 insect cells
Accession:	Q08431 (M1-C387)
Gene ID:	4240
Molecular Weight:	Approximately 44.1 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.5, 10 % glycerol, 0.2 M Arginine, 0.01 % Tween-20.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The MFG-E8 protein is involved in multiple essential functions, including the maintenance of intestinal epithelial homeostasis and the facilitation of mucosal healing. It aids in VEGF-dependent neovascularization and contributes to the phagocytic removal of apoptotic cells in various tissues. Acting as a specific ligand, it binds to the alpha-v/beta-3 and alpha-v/beta-5 receptors, and it also has the ability to bind to cell surfaces enriched with phosphatidylserine, independently of receptors. Furthermore, it serves as a zona pellucida-binding protein that potentially plays a role in gamete interaction. Additionally, the MFG-E8 protein is a main constituent of aortic medial amyloid.
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Caution: Product has not been fully validated for medical applications. For research use only.

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