

MFG-E8 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77749
Synonyms:	Lactadherin; MFGM; MFG-E8; SED1; MP47; BA46; EDIL1; HsT19888; Medin; MFG1; OAcGD3S; SPAG10
Species:	Mouse
Source:	HEK293
Accession:	P21956 (A23-C463)
Gene ID:	17304
Molecular Weight:	60-70 kDa

PROPERTIES

Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/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	MFG-E8 (Milk Fat Globule-Epidermal Growth Factor 8) is a versatile protein that contributes significantly to the phagocytic removal of apoptotic cells in various tissues. Serving as a specific ligand for the alpha-v/beta-3 and alpha-v/beta-5 receptors, MFG-E8 facilitates the recognition and clearance of apoptotic cells by phagocytes. Additionally, it exhibits binding capabilities to phosphatidylserine-enriched cell surfaces independently of receptors. With its role as a zona pellucida-binding protein, MFG-E8 may contribute to gamete interactions (By similarity). Notably, MFG-E8 is crucial for maintaining intestinal epithelial homeostasis and promoting mucosal healing, highlighting its significance in gastrointestinal health. Furthermore, MFG-E8 plays a key role in promoting VEGF-dependent neovascularization, emphasizing its involvement in angiogenesis and tissue repair processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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