

MFG-E8 recombinant protein

Recombinant Human MFG-E8 Protein

CATALOG #
AAA55954

HOST
E Coli

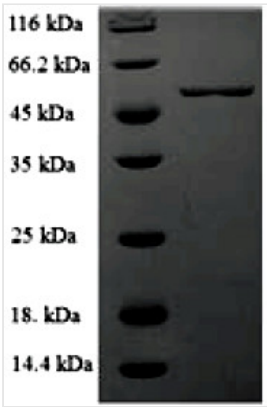
PRODUCT SYNONYMS

MFG-E8; Recombinant Human MFG-E8 Protein; HMFG; MFGM; SED1; BA46; EDIL1; OAcGD3S; SPAG10; hP47; Medin; Lactadherin; Sperm Associated Antigen 10; Sperm Surface Protein hP47; Milk fat globule-EGF factor 8.; MFG-E8 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90 % as determined by SDS-PAGE.
Form/Format	100 mM Tris-HCl, 0.4 M Arg, pH 8.0, with 50% glycerol.
Concentration	2.0 mg/mL (varies by lot)
Sequence Positions	24-387
Sequence	LDICKNPCH NGGLCEEISQ EVRGDVFPY TCTCLKGYAG NHCETKCVEP LGMENGNIAN SQIAASSVRV TFLGLQHWVP ELARLN RAGM VNAWTPSSND DNPWIQVNL RRMWVTGVVT QGASRLASHE YLKAFKVAYS LNGHEFDIH DVNKKHKEFV GNWNKNAVHV NLFETPVEAQ YVRLYPTSCH TACTLRFELL GCELNGCANP LGLKNSIPD KQITASSSYK TWGLHLFSWN PSYARLDKQG NFNWVAGSY GNDQWLQVDL GSSKEVTGII TQGARNFGSV QFVASYKVAY SNDSANWTEY QDPRTGSSKI FPGNWDNHS KKNLFETPIL ARYVRILPVA WHNRILRLLE LLGC
Species	Human
Source	Human
Protein Residue	N-Terminal 6*His-SUMO-tagged
Usage	MFGEB Protein - Centrifuge the standard vial at 6000-10000rpm for 30s.
Preparation and Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Stability: The recommended protein is stable for up to 6-12 months from date of receipt at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. **Avoid repeated freeze-thaw cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MFG-E8 recombinant protein	MFGE8 is a protein which is encoded by the MFGE8 gene. MFGE8 is secreted protein found in vertebrates, including mammals as well as birds. Mfge8 contains a phosphatidylserine (PS) binding domain, as well as an Arginine-GlycineAspartic acid motif, which enables the binding to integrins. MFGE8 binds PS, which is exposed on the surface of apoptotic cells. Opsonization of the apoptotic cells and binding to integrins on the surface of phagocytic cells, mediates the engulfment of the dead cell. MFGE8, when engaged by phospholipids, bound to cells via its RGD motif. It bound particularly strongly to cells expressing alpha-V-beta-3 integrin. The NIH 3T3 cell transformants that expressed a high level of alpha-V-beta-3 integrin engulfed apoptotic cells when MFGE8 was added.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	167830475
NCBI GeneID	4240
NCBI Accession #	NP_005919.2
NCBI GenBank Nucleotide #	NM_005928.3
UniProt Accession #	Q08431; Q53FU9; Q7Z3D2; Q9BTL9; B2R6M7
Molecular Weight	Predicted MW: 56.8 kDa Observed MW: 57 kDa
NCBI Official Full Name	lactadherin isoform a preproprotein
NCBI Official Synonym Full Names	milk fat globule-EGF factor 8 protein
NCBI Official Symbol	MFGE8
NCBI Official Synonym Symbols	BA46; HMFG; MFGM; SED1; hP47; EDIL1; MFG-E8; SPAG10; OAcGD3S; HsT19888
NCBI Protein Information	lactadherin
UniProt Protein Name	Lactadherin
UniProt Gene Name	MFGE8
UniProt Synonym Gene Names	MFG-E8
UniProt Entry Name	MFGM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

