



[Go to Product page](#)

Datasheet for ABIN7535664
MFGE8 Protein (His tag)

Overview

Quantity:	100 µg
Target:	MFGE8
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MFGE8 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse MFG-E8 Protein
Sequence:	ASGDFCDSSL CLNGGTCLTG QDNDIYCLCP EGFTGLVCNE TERGPCSPNP CYNDAKCLVT LDTQRGDIFT EYICQCPVGY SGIHCETETN YYNLDGEYMF TTAVPNTAVP TPAPTPDLSN NLASRCSTQL GMEGGAIADS QISASSVYMG FMGLQRWGPE LARLYRTGIV NAWTASNYDS KPWIQVNLRLR KMRVSGVMTQ GASRAGRAEY LKTFKVAYSL DGRKFEFIQD ESGGDKEFLG NLDNNSLKVN MFNPTLEAQY IKLYPVSCHR GCTLRFELLG CELHGCSEPL GLKNNTIPDS QMSASSSYKT WNLRAFGWYP HLGRLDNQ GK INAWTAQSNS AKEWLQVDLG TQRQVTGIIT QGARDFGHIQ YVASYKVAHS DDGVQWTVYE EQGSSKVFQG NLDNNSHKKN IFEKPFMARY VRVLPVSWHN RITLRLELLG C
Specificity:	Ala23-Cys463
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

Target Details

Target:	MFGE8
Alternative Name:	MFG-E8 (MFGE8 Products)
Background:	<p>Description: MFG-E8, also known as lactadherin and MFGE8, contains 1 EGF-like domain and 2 F5/8 type C domains. It also contains phosphatidylserine (PS) binding domain, as well as an Arginine-Glycine-Aspartic acid motif, which enables the binding to integrins. It binds PS, which is exposed on the surface of apoptotic cells. MFG-E8 is expressed in mammary epithelial cell surfaces and aortic media. Overexpression of MFG-E8 can be found in several carcinomas. MFG-E8 has opsonization of the apoptotic cells and binding to integrins on the surface of phagocytic cells. It also mediates the engulfment of the dead cell. MFG-E8 plays an important role in the maintenance of intestinal epithelial homeostasis and the promotion of mucosal healing. It promotes VEGF-dependent neovascularization and contributes to the phagocytic removal of apoptotic cells in many tissues. It also binds to phosphatidylserine-enriched cell surfaces in a receptor-independent manner.</p> <p>Name: P47,MP47,Mfgm,SED1,MFG-E8,AA408458,AI325141,lactadherin,MFGE8</p>

Gene ID: 17304

UniProt: [P21956-1](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.