

Datasheet for ABIN7317741
MFGE8 Protein (His tag)



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Overview

Quantity:	100 µg
Target:	MFGE8
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This MFGE8 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human MFG-E8/lactadherin/MFGE8 Protein (His Tag)(Active)
Sequence:	Met 1-Cys 387
Characteristics:	A DNA sequence encoding the human MFGE8 isoform 1 (Q08431-1) (Met 1-Cys 387) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 80 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	When 5 x 10E4 cells/well are added to Recombinant Human MFG-E8 coated plates (12.5 µg/mL, 100 µL/well), 45-85% cells will adhere after 1 hour at 37°C.

Target Details

Target:	MFGE8
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Target Details

Alternative Name:	MFG-E8/lactadherin/MFGE8 (MFGE8 Products)
Background:	<p>Background: MFG-E8, also known as lactadherin and MFGE8, contains 1 EGF-like domain and 2 F5/8 type C domains. It also contains a 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 an 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 phagocytic removal of apoptotic cells in many tissues. It also binds to phosphatidylserine-enriched cell surfaces in a receptor-independent manner.</p> <p>Synonym: BA46,EDIL1,HMFG,hP47,HsT19888,MFG-E8,MFGM,OAcGD3S,SED1,SPAG10</p>
Molecular Weight:	42 kDa
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>