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Datasheet for ABIN7520335

MFGE8 Protein (His tag)

Overview

Quantity:	10 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
	KPWIQVNLLR KMRVSGVMTQ GASRAGRAEY LKTFKVAYSL DGRKFEFIQD ESGGDKEFLG
	NLDNNSLKVN MFNPTLEAQY IKLYPVSCHR GCTLRFELLG CELHGCSEPL GLKNNTIPDS
	QMSASSSYKT WNLRAFGWYP HLGRLDNQGK 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:	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.
	Name: P47,MP47,Mfgm,SED1,MFG-E8,AA408458,Al325141,lactadherin,MFGE8
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 votex or vigorously pipetting the protein. For long term storage, it is
	recommended to add a carrier protein or stablizer (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.