Recombinant Human MFGE8 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. MFGE8-220H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MFGE8 MS Standard C13 and N15-labeled recombinant protein (NP_005919) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	1-387 aa
Description	This gene encodes a preproprotein that is proteolytically processed to form multiple protein products. The major encoded protein product, lactadherin, is a membrane glycoprotein that promotes phagocytosis of apoptotic cells. This protein has also been implicated in wound healing, autoimmune disease, and cancer. Lactadherin can be further processed to form a smaller cleavage product, medin, which comprises the major protein component of aortic medial amyloid (AMA). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]
Molecular Mass	42.9 kDa
AA Sequence	MPRPRLLAALCGALLCAPSLLVALDICSKNPCHNGGLCEEISQEVRGDVFPSYTCTC LKGYAGNHCETKCVEPLGLENGNIANSQIAASSVRVTFLGLQHWVPELARLNRAGM VNAWTPSSNDDNPWIQVNLLRRMWVTGVVTQGASRLASHEYLKAFKVAYSLNGHE FDFIHDVNKKHKEFVGNWNKNAVHVNLFETPVEAQYVRLYPTSCHTACTLRFELLG CELNGCANPLGLKNNSIPDKQITASSSYKTWGLHLFSWNPSYARLDKQGNFNAWVA

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	GSYGNDQWLQVDLGSSKEVTGIITQGARNFGSVQFVASYKVAYSNDSANWTEYQD PRTGSSKIFPGNWDNHSHKKNLFETPILARYVRILPVAWHNRIALRLELLGCTRTRPL EQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	MFGE8 milk fat globule-EGF factor 8 protein [Homo sapiens (human)]
Official Symbol	MFGE8
Synonyms	MFGE8; milk fat globule-EGF factor 8 protein; SPAG10, sperm associated antigen 10; lactadherin; BA46; EDIL1; hP47; HsT19888; MFG E8; OAcGD3S; SED1; sperm surface protein hP47; medin; sperm associated antigen 10; breast epithelial antigen BA46; O-acetyl disialoganglioside synthase; HMFG; MFGM; MFG-E8; SPAG10;
Gene ID	4240
mRNA Refseq	NM_005928
Protein Refseq	NP_005919

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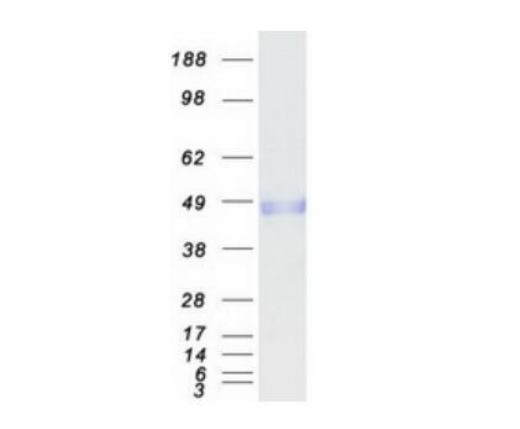
MIM	602281
UniProt ID	Q08431
SDS-PAGE	

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