

Mfge8, 23-426aa, Mouse,His-tag, Baculovirus

Cat.NO.: TP02962

3th Edition

Synonyms:Milk fat globule-EGF factor 8 protein, Mfge8, AA408458, AI325141, lactadherin, MFG-E8, Mfgm, MP47, P47, SED1

Description:Mfge8, also known as Milk fat globule-EGF factor 8 protein, is pleiotropic secreted glycoprotein that promotes mammary gland morphogenesis, angiogenesis, and tumor progression. It also plays an important role in tissue homeostasis and the prevention of inflammation. It functions as a bridge between phosphatidylserine on apoptotic cells and Integrin alpha V beta 3 on phagocytes, leading to the clearance of apoptotic debris. Recombinant mouse Mfge8 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:46.0kDa (413aa), 40-57KDa (SDS-PAGE under reducing conditions.)

Sequences:

ADLASGDFCDSSLCLNNGGTCLTGQDNDIYCLCPEGFTGLVCNETERGPCSPNPCYNDKCLVTLDTQRGDIFTEYI
CQCPVGYSGIHCETGCSTQLGMEGGAIADSQISASSVYMGFMGLQRWGPELARLYRTGIVNAWTASNYDSKPWIQ
VNLLRKMRVSGVMTQGASRAGRAEYLKTFKVAYS LDGRKFEFIQDESGGDKEFLGNLDNNSLKVNMFNPTLEAQYI
KLYPVSCHRGCTLRFELLGCELHGCSEPLGLKNNTIPDSQMSASSSYKTWNLRAFGWYPHGLRDLNQGKINAWTA
QNSAKEWLQVDLGTQRQVTGIITQGARDFGHIQYVASYKVAHSDDGVQWTVYEEQGSSKVFQGNLDNNSHKKNI
FEKPFMARYVRVLPVSWHNRITLRLELLGCHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.