
Product Data Sheet

Product Name: MFGE8 Mouse

Cat. No.: GP20740

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Milk fat globule-EGF factor 8 protein; isoform CRA_a; Putative uncharacterized protein; Mfge8; mCG_6301.		
Amino Acid Sequence	ADLASGDFCD SSLCLNGGTC LTGQDNDIYC LCPEGFTGLV CNETERGPCS PNPCYNDAKC LVTLDTQRGD IFTEYICQCP VGYSGIHCET GCSTQLGMEG GAIADSQISA SSVYMGFMGL QRWGPELARL YRTGIVNAWT ASNYDSKPWI QVNLLRKMRV SGVMTQGASR AGRAEYLKTF KVAISLDGRK FEFIQDESGG DKEFLGNLDN NSLKVNMFNP TLEAQYIKLY PVSCHRGCTL RFELGCELH GCSEPLGLKN NTIPDSQMSA SSSYKTWNLR AFGWYPHLGR LDNQGKINAW TAQSNSAKEW LQVDLGTQRQ VTGIITQGAR DFGHIQYVAS YKVAHSDDGV QWTVYEEQGS SKVFQGNLDN NSHKKNIFEK PFMARYVRVL PVSWHNRITL RLELLGCHHH HHH.		
Formulation	MFGE8 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Milk fat globule-EGF factor 8 protein (Mfge8) is pleiotropic secreted glycoprotein which promotes mammary gland morphogenesis, angiogenesis, and tumor progression. Mfge8 has also an imperative role in tissue homeostasis and the prevention of inflammation. Mfge8 functions as a bridge between phosphatidylserine on apoptotic cells and Integrin alpha V beta 3 on phagocytes, leading to the clearance of apoptotic debris.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

MFGE8 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 413 amino acids (23-426a.a.) and having a molecular mass of 46kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).MFGE8 is expressed with a 6 amino acid His-tag at C-Terminus and purified by proprietary chromatographic techniques.

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