Recombinant mouse Lactadherin/MFGE8 protein

Catalog Number: ATGP3511

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
23-426aa

UniProt No.
Q3TDU5

NCBI Accession No.
NP_001038954

Alternative Names
Milk fat globule EGF and factor V/VIII domain containing, EGF/factor VIII, Lactadherin, MFG-E8, Mfgm, SED1

PRODUCT SPECIFICATION

Molecular Weight
46kDa (413aa)

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

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Recombinant mouse Mfge8 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

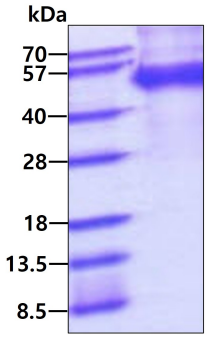
<ADL>ASGDFCD SSLCLNGGTC LTGQDNDIYC LCPEGFTGLV CNETERGPCS PNPCYNDAKC LVTLDTQRGD IFTEYICQCP VGYSGIHCET GCSTQLGMEG GAIADSQISA SSVYMGFMGL QRWGPELARL YRTGIVNAWT ASNYDSKPWI QVNLLRKMRV SGVMTQGASR AGRAEYLKTF KVAYSLDGRK FEFIQDESGG DKEFLGNLDN NSLKVNMFNP TLEAQYIKLY PVSCHRGCTL RFELLGCELH GCSEPLGLKN NTIPDSQMSA SSSYKTWNLR AFGWYPHLGR LDNQGKINAW TAQSNSAKEW LQVDLGTQRQ VTGIITQGAR DFGHIQYVAS YKVAHSDDGV QWTVYEEQGS SKVFQGNLDN NSHKKNIFEK PFMARYVRVL PVSWHNRITL RLELLGC<HHH HHH>

General References

Oba J., et al. (2011) Br J Dermatol. 165: 506-512.
Liu F., et al. (2014) Stroke. 45: 3691-3697.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.