abcam

Product datasheet

Recombinant Mouse Milk Fat Globule 1 protein (His tag) ab219444

1 Image

Description

Product name Recombinant Mouse Milk Fat Globule 1 protein (His tag)

Purity > 90 % SDS-PAGE.

Affinity purified

Endotoxin level < 1.000 Eu/µg

Expression system Baculovirus infected insect cells

Accession Q3TDU5

Protein length Full length protein

Animal free No

Nature Recombinant

Species Mouse

Sequence ADLASGDFCDSSLCLNGGTCLTGQDNDIYCLCPEGFTGL

VCNETERGPCS

PNPCYNDAKCLVTLDTQRGDIFTEYICQCPVGYSGIHCETG

CSTQLGMEG

GAIADSQISASSVYMGFMGLQRWGPELARLYRTGIVNAWT

ASNYDSKPWI

QVNLLRKMRVSGVMTQGASRAGRAEYLKTFKVAYSLDGR

KFEFIQDESGG

DKEFLGNLDNNSLKVNMFNPTLEAQYIKLYPVSCHRGCTL

RFELLGCELH

 ${\tt GCSEPLGLKNNTIPDSQMSASSSYKTWNLRAFGWYPHLG}$

RLDNQGKINAW

TAQSNSAKEWLQVDLGTQRQVTGIITQGARDFGHIQYVAS

YKVAHSDDGV

QWTVYEEQGSSKVFQGNLDNNSHKKNIFEKPFMARYVRV

LPVSWHNRITL RLELLGCHHHHHH

Predicted molecular weight 46 kDa including tags

Amino acids 23 to 426

Tags His tag C-Terminus

Additional sequence information This is the mature protein without the signal peptide (NP_001038954). The predicted N terminal

is Ala 23.

Specifications

Our Abpromise guarantee covers the use of ab219444 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long

term. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: 90% PBS, 10% Glycerol (glycerin, glycerine)

General Info

Function Plays an important role in the maintenance of intestinal epithelial homeostasis and the promotion

of mucosal healing. Promotes VEGF-dependent neovascularization (By similarity). Contributes to phagocytic removal of apoptotic cells in many tissues. Specific ligand for the alpha-v/beta-3 and alpha-v/beta-5 receptors. Also binds to phosphatidylserine-enriched cell surfaces in a receptor-independent manner. Zona pellucida-binding protein which may play a role in gamete interaction.

Binds specifically to rotavirus and inhibits its replication. Medin is the main constituent of aortic medial amyloid.

Tissue specificity Mammary epithelial cell surfaces and aortic media. Overexpressed in several carcinomas.

Sequence similarities Contains 1 EGF-like domain.

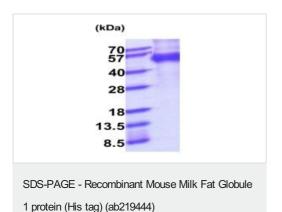
Contains 2 F5/8 type C domains.

Post-translational modifications

Medin has a ragged N-terminus with minor species starting at Pro-264 and Gly-273.

Cellular localization Membrane. Secreted.

Images



15% SDS-PAGE analysis of ab219444 (3µg).

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