

## Product datasheet

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

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### Description

<b>Product name</b>	Recombinant Mouse Milk Fat Globule 1 protein (His tag)	
<b>Purity</b>	> 90 % SDS-PAGE. Affinity purified	
<b>Endotoxin level</b>	< 1.000 Eu/μg	
<b>Expression system</b>	Baculovirus infected insect cells	
<b>Accession</b>	<b><u>Q3TDU5</u></b>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Mouse	
<b>Sequence</b>	ADLASGDFCDSSLCLNGGTCLTGQDNDIYCLCPEGFTGL VCNETERGPCS PNPCYNDKCLVTLDTQRGDIFTEYICQCPVGYSGIHCETG CSTQLGMEG GAIADSQISASSVYMGFMGLQRWGPELARLYRTGMNAWT ASNYDSKPWI QVNLLRKMRVSGVMTQGASRAGRAEYLKTFKVAYS LDGR KFEFIQDESGG DKEFLGNLDNNSLKVNMFNPTLEAQYIKLYPVSCHRGCTL RFELLGCELH GCSEPLGLKNNTIPDSQMSASSSYKTWNLRAFGWYPHLG RLDNQGKINAW TAQSNSAKEWLQVDLGTQRQVTGITQGARDFGHIQYVAS YKVAHSDDGV QWTVYEEQGSSKVFQGNLDNNSHKKNIFEKPFMARYVRV LPVSWHNRITL RLELLGCHHHHHH	
<b>Predicted molecular weight</b>	46 kDa including tags	
<b>Amino acids</b>	23 to 426	
<b>Tags</b>	His tag C-Terminus	
<b>Additional sequence information</b>	This is the mature protein without the signal peptide (NP_001038954). The predicted N terminal is Ala 23.	

## Specifications

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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.

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Liquid

## Preparation and Storage

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<b>Stability and Storage</b>	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)
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## General Info

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<b>Function</b>	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.
<b>Tissue specificity</b>	Mammary epithelial cell surfaces and aortic media. Overexpressed in several carcinomas.
<b>Sequence similarities</b>	Contains 1 EGF-like domain. Contains 2 F5/8 type C domains.
<b>Post-translational modifications</b>	Medin has a ragged N-terminus with minor species starting at Pro-264 and Gly-273.
<b>Cellular localization</b>	Membrane. Secreted.

## Images

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

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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