

Product datasheet

Recombinant Mouse RELM Gamma protein ab219132

1 Image

Description

<b>Product name</b>	Recombinant Mouse RELM Gamma protein	
<b>Purity</b>	> 95 % SDS-PAGE. Purity determined by reducing and non-reducing SDS-PAGE.	
<b>Endotoxin level</b>	<=1.000 Eu/µg	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">Q7TM98</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Mouse	
<b>Sequence</b>	MEGTLESIMEKKVKELLANRDDCPSTVTKTFSCSTSITA SGRLASCPSGMT VTGCACGYGCGSWDIRDGNTCHCQCSTMDWATARC CQLA	
<b>Predicted molecular weight</b>	19 kDa	
<b>Amino acids</b>	24 to 111	
<b>Additional sequence information</b>	Dimer. This product is the mature full length protein from aa 24 to 111. The signal peptide is not included.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab219132** 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>	Lyophilised

Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle. pH: 7.50 Constituent: 0.16% Sodium phosphate
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Lyophilised from a sterile (0.2 micron) filtered solution.

## Reconstitution

Centrifuge vial before opening. Reconstitute with sterile water at 0.1 mg/ml. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws.

## General Info

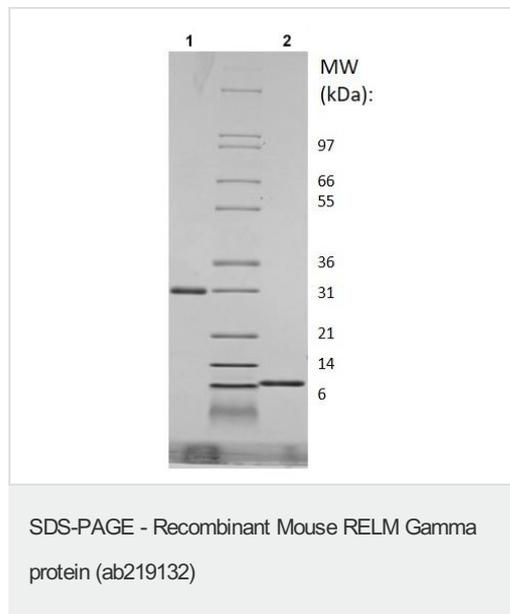
### Relevance

RELM gamma is a novel member of the resistin-like molecule/found in inflammatory zone (RELM/FIZZ) family in mice and rats. Micro-array and real-time RT-PCR experiments revealed a repression of RELM gamma mRNA in nasal respiratory epithelium of cigarette smoke-exposed versus untreated rats. The analysis of the physiological tissue-specific expression revealed highest expression in hematopoietic tissues, suggesting a cytokine-like role for RELM gamma. RELM-gamma-mRNA is detectable in bone marrow, spleen, and lung as well as in peripheral blood granulocytes. Promyelocytic HL60 cells transfected with a RELM gamma expression plasmid have an increased proliferation rate compared to mock-transfected cells and display an altered response to retinoic acid-induced granulocytic differentiation. Taken together, these data provide the first experimental evidence that RELM gamma is a secreted molecule with a restricted expression pattern that may play a role in promyelocytic differentiation.

### Cellular localization

Secreted

## Images



4-20% Tris Glycine gel electrophoresis of 1 µg ab219132, followed by Coomassie Blue staining.

Lane 1: Non-reducing conditions.

Lane 2: Reducing conditions.

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

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