



## RELM alpha Recombinant Protein

CATALOG NUMBER: 40-484

### Specifications

<b>SPECIES:</b>	Murine
<b>SOURCE SPECIES:</b>	E. coli
<b>SEQUENCE:</b>	MDETIEIIVE NKVKELLANP ANYPSTVTKT LSCTSVKTMN RWASCPAGMT ATGCACGFAC GSWEIQSGDT CNCLCLLDVW TTARCCQLS
<b>TESTED APPLICATIONS:</b>	

### Properties

<b>PURITY:</b>	Greater than 98% by SDS-PAGE gel and HPLC analyses.  Endotoxin level is less than 0.1 ng per ug (1EU/ug).
<b>PHYSICAL STATE:</b>	Lyophilized
<b>STORAGE CONDITIONS:</b>	The lyophilized RELM alpha recombinant protein is stable for at least 2 years from date of receipt at -20°C. Reconstituted RELM alpha is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. As with any protein, exposing RELM alpha recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

### Additional Info

<b>ALTERNATE NAMES:</b>	HIMF, Xcp2, Fizz1, RELMa, Fizz-1, RELMalpha, RELM-alpha, 1810019L16Rik, Himf, Pmng1, Resistin-like alpha, Cysteine-rich secreted protein A12-gamma
<b>ACCESSION NO.:</b>	NP_065255.2
<b>PROTEIN GI NO.:</b>	103472022

### Background

RELM-alpha belongs to a unique family of tissue-specific cytokines termed FIZZ (found in inflammatory zone) and RELM. The three known members of this family; Resistin, RELM-alpha and RELM-beta are 85-94 amino acid secreted proteins sharing a conserved C-terminal domain characterized by 10 cysteine residues with a unique spacing motif of C-X11-C-X8-C-X-C-X3-C-X10-C-X-C-X-C-X9-C-C. RELM-alpha and Resistin are secreted exclusively by adipocytes while RELM-beta is expressed in the epithelium of the colon and small bowel. The physiological role and molecular targets of RELM-alpha are still unknown. Recombinant murine RELM-alpha is a 10.0 kDa monomeric protein containing 88 amino acid residues.

**FOR RESEARCH USE ONLY**

December 13, 2016