



## *Recombinant Mouse RELM- $\alpha$*

*Catalog Number: 200-28*

*Accession Number: Q9EP95*

### *Specifications and Uses:*

**Alternate Names:** FIZZ1

**Description:**

Resistin-Like Molecule-alpha, or RELM- $\alpha$ , is a cytokine member to a unique family of proteins including Relm- $\beta$  and Resistin. Relm- $\alpha$  and Resistin are secreted by adipocytes, where as Relm- $\beta$  is secreted by intestinal epithelial cells. All members of the family share a high conserved C-terminal region with 10 Cysteine residues. Recombinant mouse RELM- $\alpha$  is a non-glycosylated protein, containing 88 amino acids, with a molecular weight of 10 kDa.

**Source:** *E.coli*

**Physical Appearance:** Sterile filtered white lyophilized (freeze-dried) powder.

**Formulation and Stability:**

Recombinant mouse RELM- $\alpha$  is sterile filtered and lyophilized from 0.5 mg/mL in 10 mM Na<sub>2</sub>PO<sub>4</sub>, pH 7.5. Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

**Reconstitution:**

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

**Protein Content and Purity (typically  $\geq 98\%$ ) determined by:**

HPLC, Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm

**Endotoxin Level:**

Measured by kinetic LAL analysis and is typically  $\leq 1$  EU/ $\mu$ g protein.

**Biological Activity:**

A standard activity has not been determined.

**AA Sequence:**

MDETIEIIVE NKVKELLANP ANYPSTVTKT LSCTSVKTMN RWASCPAGMT ATGCACGFAC GSWEIQSGDT  
CNCLCLLDVW TTARCCQLS

**THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT FOR USE IN HUMANS!**

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