

BACKGROUND

Resistin-like alpha, or RELM- α , is a cytokine member to a unique family of proteins including Relm- β and Resistin. Relm- α and Resistin are secreted by adipocytes, where as Relm- β 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- α is a non-glycosylated protein, containing 88 amino acids with a molecular weight of 10 kDa.

Alternative Names:

FIZZ1

Amino Acid Sequence:MDETIEIIVE NKVKELLANP ANYPSTVTKT LSCTSVKTMN
RWASCPAGMT ATGCACGFAC GSWEIQSGDT CNCLCLLVWD
TTARCCQLS**TECHNICAL INFORMATION****Source:** *E.coli***Physical Appearance:**

Sterile Filtered white lyophilized (freeze-dried) powder.

Formulation:Recombinant mouse RELM- α is sterile filtered and lyophilized from 0.5 mg/ml in 10 mM Na₂PO₄, pH 7.5.**Stability:**

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 determined by:

- UV spectroscopy at 280 nm
- RP-HPLC calibrated against a known standard
- Quantitation against a known standard via reducing and non-reducing SDS-PAGE gels.

Endotoxin Level:

Endotoxin level, as measured by LAL analysis, is <0.01ng/ug or <0.1EU/ug.

Biological Activity:

A standard activity has not yet been determined.

Products are for research use only. They are not intended for human, animal, or diagnostic applications.

