

BACKGROUND

Resistin-Like Molecule-beta (RELM- β) is a member of a recently identified family of secreted proteins containing conserved cysteines in their C terminus. The RELM family consists of Resistin (also called FIZZ3), RELM- α (FIZZ1), and RELM- γ . Only Resistin and RELM- β were found in humans whereas all four RELM family members have been identified in rodents.

Recombinant mouse RELM- β is a non-glycosylated protein, consisting of 83 amino acids, with a molecular weight of 8.9 kDa.

Alternative Names:

FIZZ2

Amino Acid Sequence:

MQCSFESLVD QRIKEALSRQ EPKTISCTSV TSSGRLASCP
AGMVTGCAC GYGCGSWDIR NGNTCHCQCS VMDWASARCC RMA

TECHNICAL INFORMATION

Source: *E.coli*

Physical Appearance:

Sterile Filtered white lyophilized (freeze-dried) powder.

Formulation:

Recombinant mouse RELM- β is sterile filtered and lyophilized from 10 mM Acetic Acid.

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 $<0.01\text{ng/ug}$ or $<0.1\text{EU/ug}$.

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.

