

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 human RELM-β is a non-glycosylated, disulfide-linked homodimer. Each monomer contains 89 amino acids, with the dimer having a total molecular weight of 19 kDa.

Cat. No.:
RP1160AF

Alternate Names:
FIZZ2

AA Sequence:

MQCSLDSVMD	KKIKDVLNSL	EYSPSPISKK
LSCASVKSQG	RPSSCPAGMA	VTGCACGYGC
GSWDVQLETT	CHCQCSVVDW	TTARCCHLT

TECHNICAL INFO

Source:
E. coli

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

Formulation:
0.1% Trifluoroacetic Acid (TFA)

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 0.1% Trifluoroacetic Acid(TFA) at 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.

Animal Component-Free
This product is produced with no animal derived raw products. All processing and handling employs animal free equipment and animal free protocols.

