RETNLB
Recombinant Human RELM-beta

Catalog No.	CRR300A	**Quantity:**	5 µg
	CRR300B		25 µg
	CRR300C		1 mg
	CRR300D		100 µg

Alternate Names: Cysteine-rich secreted protein FIZZ2, Resistin-like beta, RELMbeta

Description: 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. RELM-β functions to increase fibroblast proliferation and differentiation, resulting in airway remodelling and increased inflammation.

Gene ID: 84666

UniProt ID: Q9BQ08

Source: *E. coli*

Molecular Weight: Nonconvalent homodimer, 9.5/19.0 kDa (89/178 aa)

Formulation: Lyophilized from sterile filtered solution in 0.1% Trifluoroacetic Acid (TFA).

Purity: ≥ 90% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤ 1 EU/µg by kinetic LAL analysis

Amino Acid Sequence: MQCSLDSVMD KKIKDVLNSL EYSPSPISKK LSCASVKSQG RPSSCPAGMA VTGCACGYGC GSWDVQLETT CHCQCSVVDW TTARCCHLT

Reconstitution: **Centrifuge vial prior to 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.

Storage & Stability: Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage.
Avoid repeated freeze-thaw cycles.

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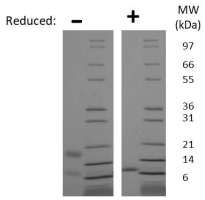

Human RELM-beta Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human RELM-beta is homodimer with a total predicted MW of 19.0 kDa (each monomer is 9.5 kDa).

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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