

Product: **Recombinant Mouse RELM- β**
Cat #: 300-345P
Powder

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| 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 have been identified in humans whereas all four RELM family members have been identified in rodents. Alternate names: FIZZ2 |
| MW | Non-glycosylated protein, containing 83 amino acids, with a molecular weight of 8.9 kDa. |
| Physical Appearance | Sterile filtered white lyophilized (freeze-dried) powder. |
| Source | <i>E. coli</i> |
| Formulation | Recombinant mouse RELM- β is sterile filtered and lyophilized from 10 mM acetic acid (AcOH) with 2:1 mannitol to protein. |
| 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. |
| 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. |
| Biological Activity | A standard activity has not been determined. |
| Endotoxin Level | Measured by kinetic LAL analysis and is typically ≤ 1 EU/ μ g protein. |
| AA Sequence | MQCSFESLVD QRIKEALSRQ EPKTISCTSV TSSGRLASCP AGMVVTGCAC GYGCGSWDIR NGNTCHCQCS VMDWASARCC RMA |

Purity greater than 97% determined by Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm.

Protein content determined by Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm.

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