# DATA SHEET

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## GFH160 Recombinant Human RELM-β

### Description

Resistin-like molecule-β (RELM-β) is a member of the RELM-family of secreted proteins containing conserved C-terminus cysteines. The RELM-family consists of resistin (FIZZ3), RELM-α (FIZZ1), RELM-β (FIZZ2), and RELM-γ (FIZZ4). Resistin and RELM-β are the only RELM-family members found in humans, whereas all four RELM-family members are present in rodents. RELM-β functions to increase fibroblast proliferation and differentiation, resulting in airway remodelling and increased inflammation.

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|---|---|
| **Length** | 89 / 178 aa |
| **Molecular Weight** | 9.5 / 19.0 kDa |
| **Source** | E. coli |
| **Accession Number** | Q2UXL7 |
| **Purity** | ≥90% determined by reducing and non-reducing SDS-PAGE |

### Specifications

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|---|---|
| **Alternative Names** | Resistin-like molecule-β, RELM β, FIZZ2 |
| **Biological Activity** | Activity to be determined. |
| **Endotoxin Level** | ≤1.00 EU/µg as measured by kinetic LAL |
| **Formulation** | Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA) |
| **AA Sequence** | MQCSLDSVMD KKIKDVLNSL EYSPSPISKK LSCASVKSQG RPSSCPAGMA VTGCACGYGC GSWDVQLETT CHCQCSVVDW TTARCCHLT |

### Preparation and Storage

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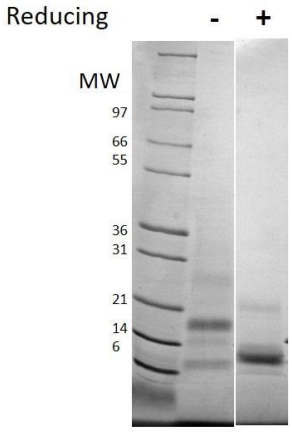
|---|---|
| **Reconstitution** | Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile 0.1% Trifluoroacetic Acid (TFA) at 0.1 mg/ml, which can be further diluted into other aqueous solutions. |
| **Stability and Storage** | 12 months from date of receipt when stored at -20°C to -80°C as supplied.<br>1 month when stored at 4°C after reconstituting as directed.<br>3 months when stored at -20°C to -80°C after reconstituting as directed. |

### Data




Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 µg of protein was loaded in each lane. Human RELM-β has a predicted Mw of 19.0 kDa (each monomer is 9.5 kDa).