

# Recombinant Human IL-38/IL-1F10 Protein

Catalog No.: RP01084 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	84639	Q8WWZ1

### Tags

No tag

### Synonyms

IL1F10;FIL1-theta;FKSG75;IL-1HY2;IL-38;IL1-theta;IL1HY2;IL38

## Product Information

Source	Purification
<i>E. coli</i>	> 95% by SDS-PAGE.

Calculated MW	Observed MW
16.9 kDa	17 kDa

### Endotoxin

< 1.0 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM PB, 150mM NaCl, pH 6.0. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

This protein is a member of the interleukin 1 cytokine family. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. This cytokine is thought to participate in a network of interleukin 1 family members to regulate adapted and innate immune responses. Two alternatively spliced transcript variants encoding the same protein have been reported.

## Basic Information

### Description

Recombinant Human IL-38/IL-1F10 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Trp152) of human IL-1F10 (Accession #Q8WWZ1) fused with no tags.

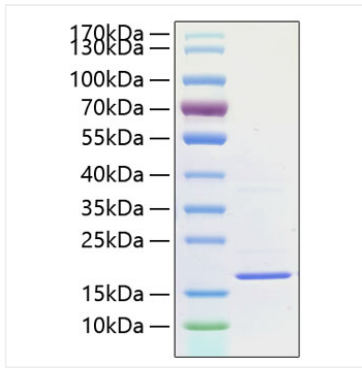
### Bio-Activity

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human IL-1F10 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 17 kDa.