

# Recombinant Human Interleukin-37/IL-37 Protein

Catalog No.: RP00409

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	27178	Q9NZH6-2

### Tags

No tag

### Synonyms

IL37;FIL1;FIL1(ZETA);FIL1Z;IL-1F7;IL-1H;IL-1H4;IL-1RP1;IL-37;IL1F7;IL1H4;IL1RP1

## Product Information

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

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

This protein is a member of the interleukin 1 cytokine family. This cytokine can bind to, and may be a ligand for interleukin 18 receptor (IL18R1/IL-1Rrp). This cytokine also binds to interleukin 18 binding protein (IL18BP), an inhibitory binding protein of interleukin 18 (IL18), and subsequently forms a complex with IL18 receptor beta subunit, and through which it inhibits the activity of IL18. This gene along with eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Five alternatively spliced transcript variants encoding distinct isoforms have been reported.

## Basic Information

### Description

Recombinant Human Interleukin-37/IL-37 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Lys27-Asp192) of human Interleukin-37/IL-37 (Accession #Q9NZH6-2) fused with No tag.

### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term.

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.

## Contact

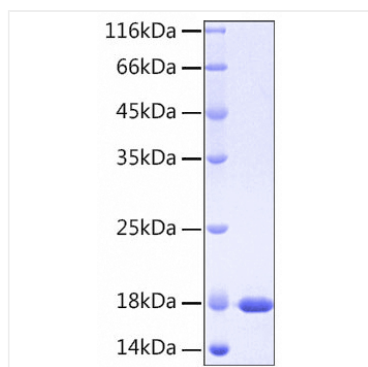
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## Validation Data

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Recombinant protein Human  
Interleukin-37/IL-37 was determined by SDS-  
PAGE under reducing conditions with  
Coomassie Blue, showing a band at 18 kDa.