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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 <I>E. coli</I> 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.
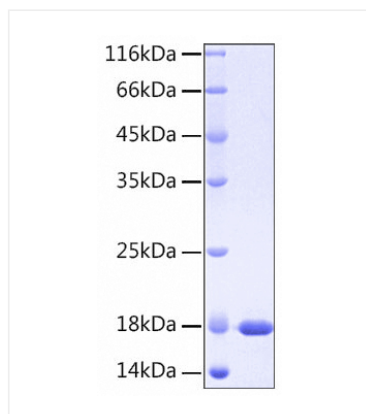
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Validation Data

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