

# Active Recombinant Human IL-15 Protein

Catalog No.: RP01236 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	3600	P40933-1

### Tags

C-His

### Synonyms

IL15;IL-15

## 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 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial 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 freeze-thaw cycles.

## Contact

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## Background

### Basic Information

#### Description

Active Recombinant Human IL-15 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Asn49-Ser162) of human IL-15 (Accession #NP\_000576.1) fused with a 6×His tag at the C-terminus.

#### Bio-Activity

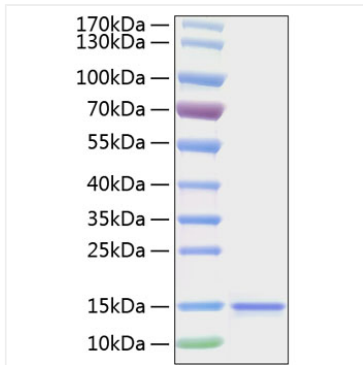
Measured in a cell proliferation assay using HT-2 cells. The ED<sub>50</sub> for this effect is 1.5-5 pg/mL, corresponding to a specific activity of 2.0×10<sup>8</sup>-6.67×10<sup>8</sup> units/mg.

#### Storage

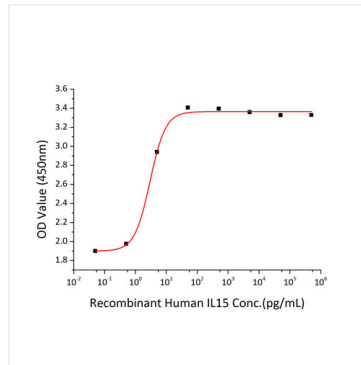
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Active Recombinant Human IL-15 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 15 kDa.



Recombinant Human IL-15 promotes the proliferation of HT-2 cells. The ED<sub>50</sub> for this effect is 1.5-5 pg/mL, corresponding to a specific activity of  $2.0 \times 10^8$ - $6.67 \times 10^8$  units/mg.