

RP01236

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Recombinant Human IL-15 Protein

Catalog No.: RP01236

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
<I>E. coli</I>	3600	P40933-1

Tags

C-His

Synonyms

IL15;IL-15

Product Information

Source

<I>E. coli</I>

Purification

> 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 free-thaw cycles.

Background

Basic Information

Description

Recombinant Human IL-15 Protein is produced by <I>E. coli</I> 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 ED₅₀ for this effect is 1.5-5 pg/mL, corresponding to a specific activity of 2.0×10⁸-6.67×10⁸ units/mg.

Storage

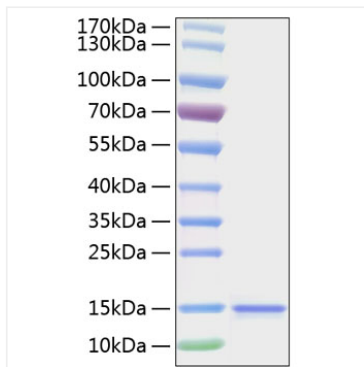
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

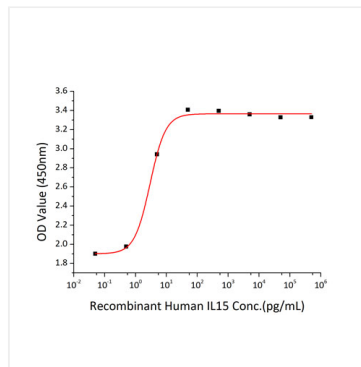


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Validation Data



Recombinant Human IL-15 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Recombinant Human IL-15 promotes the proliferation of HT-2 cells. The ED_{50} for this effect is 1.5-5 pg/mL, corresponding to a specific activity of 2.0×10^8 - 6.67×10^8 units/mg.