Recombinant Human IL-15 Protein

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Catalog No.: RP01257 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 3600 P40933-1

Tags

C-hFc&His

Synonyms

IL15;IL-15

Product Information

Source

Purification

HEK293 cells

≥ 95 % as determined by SDS-

PAGE.

Calculated MW Observed MW

39.56 kDa 55-60 kDa

Endotoxin

< 0.1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH7.4. 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

| a | 400-999-6126 |
|-----------|---------------------------|
| \bowtie | cn.market@abclonal.com.cn |
| • | www.abclonal.com.cn |

Background

Basic Information

Description

Recombinant Human IL-15 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asn49-Ser162) of human IL-15 (Accession $\#NP_000576.1$) fused with a Fc, $6\times His$ tag at the C-terminus.

Bio-Activity

1.Measured in a cell proliferation assay using HT-2 cells. The ED $_{50}$ for this effect is 2-8 ng/mL, corresponding to a specific activity of $1.25\times10^5\sim5.0\times10^5$ units/mg.|2.Measured in a cell proliferation assay using MO7e human megakaryocytic leukemic cells. The ED $_{50}$ for this effect is 24.29-97.14 ng/mL, corresponding to a specific activity of $1.03\times10^4\sim4.12\times10^4$ units/mg.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

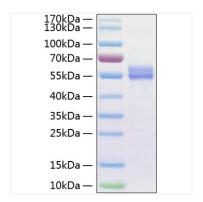
After reconstitution, the protein solution is stable at -20 $^{\circ}$ C for 3 months, at 2-8 $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

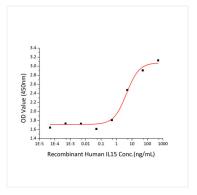
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

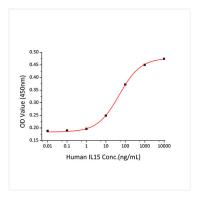
Validation Data



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 2-8 ng/mL, corresponding to a specific activity of $1.25\times10^5\sim5.0\times10^5$ units/mg.



Recombinant human IL15 promotes the proliferation of MO7e human megakaryocytic leukemic cells. The ED $_{50}$ for this effect is 24.29-97.14ng/mL, corresponding to a specific activity of $1.03\times10^4{\sim}4.12\times10^4$ units/mg.