Recombinant Human IL-15 Protein

Catalog No.: RP01257

Sequence Information

Species
Human

Gene ID
3600

Swiss Prot
P40933-1

Tags
C-hFc&His

Synonyms
IL15,IL-15

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
39.56 kDa

Observed MW
55-60 kDa

Endotoxin
< 0.1 EU/μg 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.

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×His tag at the C-terminus.

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 1.25×10^5~5.0×10^5 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 1.03×10^4~4.12×10^4 units/mg.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

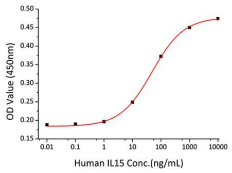
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

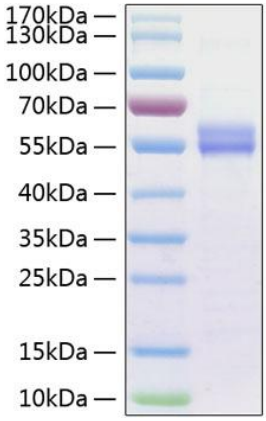
400-999-6126
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Please visit http://abclonal.com for a complete listing of recommended products.

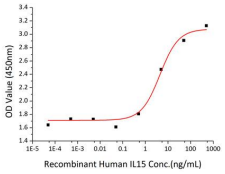
Validation Data



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 1.03×10^4~4.12×10^4 units/mg.



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 1.25×10^5~5.0×10^5 units/mg.