

**Catalog No.: RP01257** **Recombinant**

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human   | 3600    | P40933-1   |

## C-hFc&amp;His

## IL15;IL-15

|               |                                  |
|---------------|----------------------------------|
| <b>Source</b> | <b>Purification</b>              |
| HEK293 cells  | ≥ 95 % as determined by SDS-PAGE |

39.56 kDa                      55-60 kDa

< 0.1 EU/μg of the protein by LAL method.

Lyophilized from a 0.22  $\mu\text{m}$  filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

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.

 | 400-999-6126

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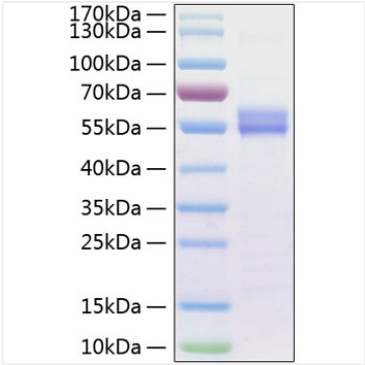
## Basic Information

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. 6xHis tag at the C-terminus.

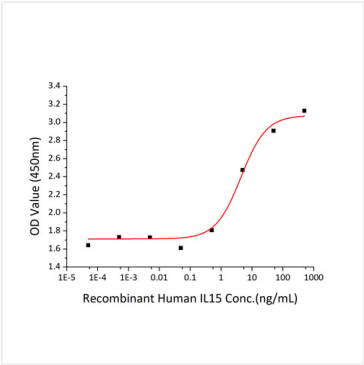
1. Measured in a cell proliferation assay using HT-2 cells. The ED<sub>50</sub> for this effect is 2-8 ng/mL, corresponding to a specific activity of  $1.25 \times 10^5$ ~ $5.0 \times 10^5$  units/mg. 2. Measured in a cell proliferation assay using MO7e human megakaryocytic leukemic cells. The ED<sub>50</sub> for this effect is 24.29-97.14 ng/mL, corresponding to a specific activity of  $1.03 \times 10^4$ ~ $4.12 \times 10^4$  units/mg.

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.

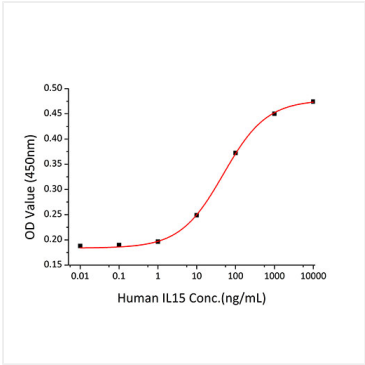
Validation Data



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<sub>50</sub> for this effect is 2-8 ng/mL, corresponding to a specific activity of 1.25 × 10<sup>5</sup>~5.0 × 10<sup>5</sup> units/mg.



Recombinant human IL15 promotes the proliferation of MO7e human megakaryocytic leukemic cells. The ED<sub>50</sub> for this effect is 24.29-97.14ng/mL, corresponding to a specific activity of 1.03 × 10<sup>4</sup>~4.12 × 10<sup>4</sup> units/mg.