

**Catalog No.: RP01600** **Recombinant**

Species	Gene ID	Swiss Prot
Human	3558	P60568

## No tag

**Synonyms**  
IL-2; Interleukin-2; lymphokine; TCGF; IL2

<b>Source</b>	<b>Purification</b>
<i>Pichia</i>	≥ 95 % as determined by SDS-PAGE.


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

Lyophilized from a 0.22  $\mu\text{m}$  filtered solution of PBS, pH 7.4.

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.

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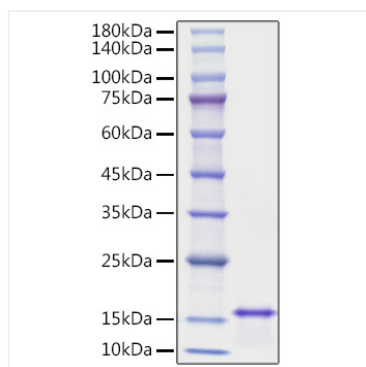
Recombinant Human IL-2 Protein is produced by *Pichia* expression system. The target protein is expressed with sequence (Ala21-Thr153) of human IL-2 (Accession #NP\_000577.2) fused with no additional amino acid.

Measured in a cell proliferation assay using HT-2 mouse T cells. The ED<sub>50</sub> for this effect is 4-16 ng/mL.

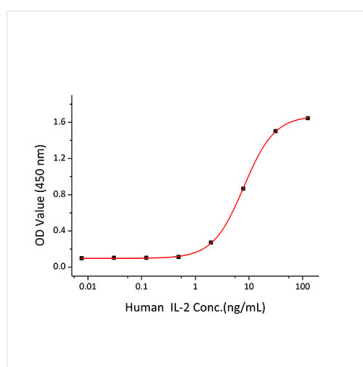
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.  
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.  
Avoid repeated freeze/thaw cycles.



## Validation Data



Recombinant Human IL-2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Recombinant Human IL-2 stimulates cell proliferation of the HT-2 mouse T cells. The  $ED_{50}$  for this effect is 4-16 ng/mL, corresponding to a specific activity of  $6.25 \times 10^4 \sim 0.25 \times 10^5$  units/mg.