

Recombinant Human IL-2 Protein

Catalog No.: RP01600

Sequence Information

Species Gene ID

Human 3558

Swiss Prot Tags

P60568 No tag

SynonymsIL-2, Interleukin-2, lymphokine,
TCGF, IL2

Product Information

Source Purification*Pichia* ≥ 95 % as
determined by
SDS-PAGE.**Calculated MW Observed MW****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.**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-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.

Activity

Measured in a cell proliferation assay using HT-2 mouse T cells. The ED₅₀ for
this effect is 4–16 ng/mL.

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°C

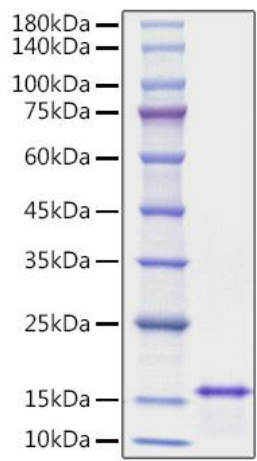
Operational Notes

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

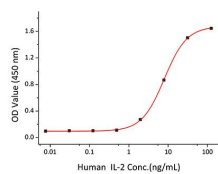
Contact

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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 ED₅₀ for this effect is 4-16 ng/mL, corresponding to a specific activity of 6.25×10^4 ~ 0.25×10^6 units/mg.