

Recombinant human IL-2 (Active,Tag free)

- Cat. Number:** ck0017
- Quantity size:** 10µg / 50ug / 500µg
- Protein Sequence:** 21-153aa, Tag free, full length mature protein
- Swiss-Prot:** P60568
- Gene ID:** 3558
- Source:** Human cells derived
- Structure:** Glycosylated monomer
- Purity:** >95% by SDS-PAGE
- MW:** ~15kDa
- Endotoxin Level:** <0.5EU/ug
- Formulation:** Lyophilized from a 0.2µm filtered solution in PBS without carrier protein
Animal and Xeno free
- Activity Assay:** The specific activity was determined by the dosedependent stimulation of the proliferation of mouse CTLL-2 cells (mouse cytotoxic T cell line).
- Reconstitution:** Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.
- Stability & Storage:** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -80 °C under sterile conditions after reconstitution.
- Description:** Recombinant human IL-2 expressed in engineered human cells. IL-2 belongs to the IL-2 protein family. IL-2 is a 15 kDa glycosylated monomer. IL-2 is produced primarily by activated CD4+ T cells, but it is also expressed by naive CD8+ T cells, eosinophils, dendritic, and thymic cells. IL-2 is an essential activator of the immune response, it is required for the growth of T cells, activated B cells and T helper cell differentiation. IL-2 stimulates the activity of NK cells and is involved in antiinflammatory reactions and in hematopoiesis.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.