

Recombinant human IL-7 (Active,Tag free)

- Cat. Number:** ck0018
- Quantity size:** 10µg / 50ug / 500µg
- Protein Sequence:** 26-177aa, Tag free, full length mature protein
- Swiss-Prot:** P13232
- Gene ID:** 3574
- Source:** Human cells derived
- Structure:** Glycosylated monomer
- Purity:** >95% by SDS-PAGE
- MW:** 9-30kDa
- 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 activity was measured by its ability to stimulate the proliferation of murine 2E8 cells.
- 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:** IL-7 is secreted by stromal cells in the bone marrow and thymus and belong to a hematopoietic growth factors. IL-7 stimulates the differentiation of multipotent (pluripotent) hematopoietic stem cells into lymphoid progenitor cells. IL-7 could also be beneficial in improving immune recovery after allogenic stem cell transplant. Recombinant human is 9, 25, and 30 kDa, monomer, glycosylated protein under reduced condition.

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