

Recombinant human IL-12 (Active,Tag free)

- Cat. Number:** ck0007
- Quantity size:** 10µg / 50ug / 500µg
- Protein Sequence:** 23-219aa, Tag free, full length mature protein
- Swiss-Prot:** P29459
- Gene ID:** 3592
- Source:** Human cells derived
- Structure:** Glycosylated monomer
- Purity:** >95% by SDS-PAGE
- MW:** 57kDa
- 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 PHA transformed human peripheral blood lymphoblast.
- 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-12 is a disulfide-linked heterodimeric protein (p70), composed of two subunits, p35 and p40, which are encoded by two different genes. IL-12 is predominantly produced by macrophages and B lymphocytes. IL-12 functions as a growth factor for activated T and NK cells, enhances the lytic activity of NK/lymphokine activated killer cells, and stimulates the production of IFN-γ by resting PBMC.

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