

## Recombinant human IL-3 (Active,Tag free)

- Cat. Number:** ck0033
- Quantity size:** 10µg / 50ug / 500µg
- Protein Sequence:** 20-139aa, Tag free, full length mature protein
- Swiss-Prot:** P35225
- Gene ID:** 3596
- Source:** Human cells derived
- Structure:** Glycosylated monomer
- Purity:** >95% by SDS-PAGE
- MW:** ~19kDa
- 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 human TF-1 cells (human erythroleukemic indicator 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:** Interleukin-3 (IL-3) is belongs to hematopoietic growth factors. It is a secreted protein. IL-3 can improve the body's natural response to disease as part of the immune system. IL-3 stimulates the differentiation of multipotent hematopoietic stem cells into myeloid progenitor cells (as opposed to lymphoid progenitor cells where differentiation is stimulated by IL-7) as well as stimulates proliferation of all cells in the myeloid lineage (erythrocytes, megakaryocytes, granulocytes, monocytes, and dendritic cells) in conjunction with other cytokines, such as EPO, GM-CSF, TPO and IL-6. Additionally, IL-3 aids in embryo implantation and placental development, was found to be decreased both in pregnant women with antiphospholipid syndrome and in animal models of APS. IL-3 also participates in the response of the organism to various types of stress.

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