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## Recombinant Human Interleukin-3

**Description:** Interleukin-3 (IL-3) is a species specific colony stimulating factor which stimulates colony formation of megakaryocytes, neutrophils, and macrophages from bone marrow cultures. Recombinant human IL-3 produced in E. coli is a single, non-glycosylated polypeptide with a molecular mass of 15 kDa protein containing 133 amino acid residues.

<b>Source:</b>	E. coli
<b>Molecular Weight:</b>	15 kDa
<b>Purity:</b>	98% by SDS-PAGE and Silverstain
<b>Endotoxin level:</b>	< 0.1 ng per µg (IEU/µg) of rh IL-3
<b>Stabilizer:</b>	none
<b>Buffer:</b>	PBS
<b>Formulation:</b>	lyophilized

**Biological Activity:** The ED<sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of TF-1 cells is < 0.1 ng/ml.

**Reconstitution:** The lyophilized rh IL-3 is soluble in water and most aqueous buffers. The lyophilized powder can be reconstituted in water to a concentration of 0.1 mg/ml. This solution can be diluted into other buffered solutions or stored at -20°C for future use. For most in vitro applications, IL-3 exerts its biological activity in the concentration range of 0.1 to 1.0 ng/ml.

**Stability:** The lyophilized rh IL-3, although stable at room temperature for 3 weeks, is best stored desiccated at -20°C. Reconstituted rh IL-3 should be stored at 4°C between 2-7 days and in working aliquots at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HAS or BSA). **Avoid repeated freeze-thaw cycles.**

**Usage:** Human IL-3 is offered for research use. Not for drug use. **Not for human use.**

**Catalogue number:** 200-015-SC

**Size:** 50 µg

**Range:** 0.1-1.0 ng/ml

**\*\*please note : always centrifuge vial before opening\*\***