



Recombinant Human Interleukin 3 (rhIL-3)

Catalog Number: 01-0005

Description	Interleukin-3 (IL-3) is an interleukin, a type of biological signal (cytokine) that can improve the body's natural response to disease as part of the immune system. It acts by binding to the interleukin-3 receptor. 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). It is secreted by basophils and activated T cells to support growth and differentiation of T cells from the bone marrow in an immune response. The human IL-3 gene encodes a protein 152 amino acids long, and the naturally occurring IL-3 is glycosylated.
Synonyms	IL-3 、 MCGF 、 MGC79398、 MGC79399
AA sequence	APMTQTTSLK TSWVNCSNMI DEIITHLKQP PLPLLDFFNNL NGEDQDILME NNLRRPNLEA FNRAVKSLQN ASAIESILKN LLPCLPLATA APTRHPIHIK DGDWNEFRRK LTFYLKTLEN AQAQQTTLSL AIF
Source	<i>Escherichia coli</i>
Molecular Weight	Approximately 15.1 kDa, a single non-glycosylated polypeptide chain containing 133 amino acids.
Purity	>98% by SDS-PAGE
Physical Appearance	White lyophilized powder or solution
Formulation	Lyophilized from a 0.2 μ m filtered concentrated solution with 20mM NaAc, pH 5.4
Reconstitution	Reconstitute in sterile distilled water containing 0.1% BSA to a concentration of 0.1-1.0mg/ml.
storage	Store at -20 °C after receiving. Upon reconstitution, store at 2-8 °C for up to two weeks. For maximal stability, aliquot and store at -20 °C. Avoid repeated freeze/ thaw cycles.
PRICE	RMB 1400 /10 μ g; RMB 5598 /50 μ g
Usage	* This product is for research use only.