

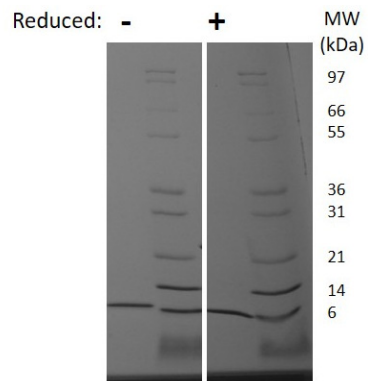
IL3

Recombinant Human Interleukin-3

Catalog No.	CRI102A CRI102B CRI102C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	IL-3, MCGF, mast cell growth factor, P cell stimulating factor, MULTI-CSF, multilineage-colony-stimulating factor		
Description:	<p>Interleukin-3 (IL-3) is a potent growth promoting cytokine. This cytokine is capable of supporting the proliferation of a broad range of hematopoietic cell types. IL-3 is able to induce the differentiation of hematopoietic stem cells to precursor cells of myeloid lineage (erythrocytes, megakaryocytes, granulocytes, dendritic cells and monocytes). It is involved in a variety of cell activities such as cell growth, differentiation and apoptosis. IL-3 has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders. IL-3 is produced by activated T cells, mast cells.</p> <p>Recombinant human IL-3 is a single, non-glycosylated polypeptide chain containing 134 amino acids.</p>		
Gene ID:	3562		
Protein Accession No:	P08700		
Source:	<i>E. coli</i>		
Molecular Weight:	15.2 kDa		
Formulation:	Lyophilized from a sterile-filtered solution containing 0.1% Trifluoroacetic Acid (TFA) .		
Purity:	> 95 % by SDS-PAGE		
Endotoxin Level:	≤1 EU/µg of protein by kinetic LAL analysis.		
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ , as determined by a proliferation assay using human TF-1 cells, is typically < 0.25 ng/ml.		
Specific Activity:	Typically >4.0 × 10 ⁶ U/mg.		
Amino Acid Sequence:	MAPMTQTTPL KTSWVNCNSM IDEIITHLKQ PPLPLDFNN LNGEDQDILM ENNLRRPNLE AFNRAVKSLQ NASAIESILK NLLPCLPLAT AAPTRHPIHI KDGDWNEFRRLKTFYKLTLE NAQAQQTTLS LAIF		
Reconstitution:	Centrifuge vial prior to opening. Add sterile 10 mM acetic acid to a concentration of 0.1 mg/ml. DO NOT VORTEX. Allow several minutes for complete reconstitution. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	<p>Lyophilized product is stable at room temperature for shipping purposes. Upon receipt, store desiccated at -20°C for up to 1 year.</p> <p>Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, freeze in working aliquots and store at -20 to -80°C. For maximal stability, dilute to working aliquots in a 0.1% BSA solution. Avoid repeated freeze-thaw cycles.</p>		



Figure: 1 μ g in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue.



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences[®]
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com