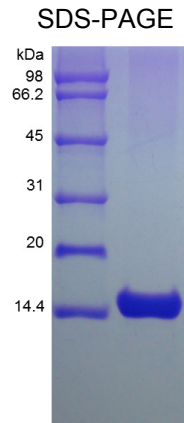


IL3

Recombinant Mouse Interleukin-3

Catalog No.	CRI128A CRI128B CRI128C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	interleukin-3, mast cell growth factor, mast-cell growth factor, P-cell stimulating factor, P-cell-stimulating factor, hematopoietic growth factor, multilineage-colony-stimulating factor, multipotential colony-stimulating factor		
Description:	Recombinant Mouse IL-3 is a globular protein containing 134 amino acid residues. Background: IL-3 is a hematopoietic growth factor that promotes the survival, differentiation and proliferation of committed progenitor cells of the megakaryocyte, granulocyte-macrophage, erythroid, eosinophil, basophil and mast cell lineages. Produced by T cells, mast cells and eosinophils, IL-3 enhances thrombopoieses, phagocytosis, and antibody-mediated cellular cytotoxicity. Its ability to activate monocytes suggests that IL-3 may have additional immunoregulatory roles. Many of the IL-3 activities depend upon costimulation with other cytokines. IL-3 is species-specific, variably glycosylated cytokine.		
Gene ID:	16187		
Source:	<i>E. coli</i>		
Molecular Weight:	~14.8 kDa		
Formulation:	Lyophilized from a 0.2 µm filtered solution in PBS, pH 7.4.		
Purity:	>98.0% by HPLC and SDS-PAGE		
Endotoxin Level:	<1 EU/µg of Recombinant Mouse IL-3 as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ as determined by the dose-dependent stimulation of the proliferation of murine M-NFS-60 cells is < 0.05 ng/ml, corresponding to a specific activity of > 2×10 ⁷ units/mg.		
Specific Activity:	2 x 10 ⁷ IU/mg		
Amino Acid Sequence:	DTHRLTRTLN CSSIVKEIIG KLPEPELKTD DEGPSLRNKS FRRVNLSKFV ESQGEVDPED RYVIKSNLQK LNCCLPTSAN DSALPGVFIR DLDDFRKKLR FYMVHLNDLE TVLTSRPPQP ASGSVSPNRG TVEC		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20°C. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	This lyophilized preparation is stable at 2-8 °C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		





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



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