

Active Recombinant Mouse Il3 Protein (Asp33-Cys166), C-His tagged, Animal-free, Carrier-free

Cat. No. Il3-58M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il3 Protein (Asp33-Cys166) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Asp33-Cys166
Description	Interleukin-3 (IL-3) is a pleiotropic cytokine which can stimulates the survival, differentiation and proliferation of committed progenitor cells, including megakaryocyte, granulocyte-macrophage, erythroid, eosinophil, basophil and mast cell lineages. IL-3 also enhances phagocytosis and antibody-mediated cellular cytotoxicity. IL-3 binds to IL-3R (IL-3 receptor), which is composed of a unique α subunit (IL-3R α) and a common β -subunit (β c).
Form	Lyophilized
Bio-activity	Measure by its ability to induce NFS-60 cells proliferation. The ED50 for this effect is < 85 pg/mL. The specific activity of recombinant mouse IL-3 is approximately $>1 \times 10^7$ IU/mg.
Molecular Mass	The protein has a calculated MW of 16.04 kDa. The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	IL3 interleukin 3 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL3
Synonyms	IL3; interleukin 3; interleukin-3; mast cell growth factor; P-cell-stimulating factor; hematopoietic growth factor; multipotential colony-stimulating factor; BPA; PSF; HCGF; IL-3; MCGF; Csfmu;
Gene ID	16187
mRNA Refseq	NM_010556

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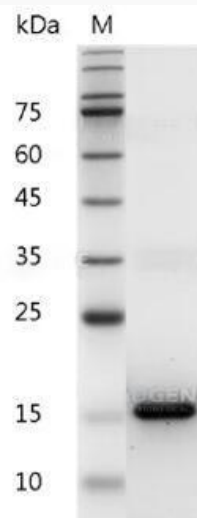
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Protein Refseq NP_034686

UniProt ID P01586

**SDS-PAGE analysis
of recombinant
mouse IL-3.**



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