

Recombinant Mouse IL3 Protein, His-tagged

Cat. No. IL3-366M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse IL3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
Description	IL3, also known as interleukin 3, is a pleiotropic factor produced primarily by activated T cells that can stimulate the proliferation and differentiation of pluripotent hematopoietic stem cells as well as various lineage committed progenitors. In addition, it also affects the functional activity of mature mast cells, basophils, eosinophils and macrophages.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	16.7kDa (148aa) 18-28KDa (SDS-PAGE under reducing conditions.)
AA Sequence	ASISGRDTHR LRTLNCSSI VKEIIGKLPE PELKTDDEGP SLRNKSFRRV NLSKFVESQG EVDPEDRYVI KSNLQKLNCC LPTSANDSALPGVFIRDLDD FRKKLRFYMV HLNDLETVLT SRPPQPASGS VSPNRGTVEC LEHHHHHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>90% by SDS - PAGE

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Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	IL3 interleukin 3 [<i>Mus musculus</i>]
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
Protein Refseq	NP_034686
MIM	
UniProt ID	
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis signaling pathway, organism-specific biosystem; Asthma, organism-specific biosystem; Asthma, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;

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Function

cytokine activity; cytokine activity; growth factor activity; interleukin-3 receptor binding;

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