Active Recombinant Mouse Interleukin 3

Cat. No. Il3-592M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouseIl3 was expressed in E. coli.
Species	Mouse
Source	Mouse
Description	Il3 acts as a colonystimulating factor, acting upon megakaryocytes, neutrophils and macrophages.
Form	Purified proteinproduced in E. coli - lyophilised.
Reconstitution	Reconstitute with0.1 ml distilled water.
Endotoxin Level	< 0.1 ng/ug
Application	Functional Assays:0.1 ng/ml - 10 ng/ml
Molecular Weight	15 kD (135 Aminoacid sequence).
Concentration	0.1 mg/ml
Activity	> 1 x 107units/mg
Purity	> 98% by SDS PAGEand HPLC analysis.

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Storage	Prior toreconstitution store at +4oC. Following reconstitution store at-20oC. This product should be stored undiluted. Storage infrost-free freezers is not recommended. Avoid repeated freezing and thawingas this may denature the protein. Should this product contain a precipitatewe recommend microcentrifugation before use.
OfficialSymbol	Il3

GENE INFORMATION

Gene Name	Il3 interleukin 3 [Mus musculus]
Synonyms	Il3; interleukin 3;BPA; PSF; HCGF; Il-3; MCGF; Csfmu; IL3; IL-3; MGC79398; MGC79399; MULTI-CSF;interleukin 3 (colony-stimulating factor, multiple); Hematopoietic growthfactor; Mast cell growth factor; Multipotential colony-stimulating factor;P-cell-stimulating factor; interleukin-3; mast-cell growth factor;multilineage-colony-stimulating factor
Gene ID	16187
mRNA Refseq	NM_010556
Protein Refseq	NP_034686
UniProt ID	P01586
Chromosome Location	11 B1; 11 28.5 cM
Pathway	Apoptosis; Asthma;Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response(BioCarta); Fc epsilon RI signaling pathway; Hematopoietic cell lineage; IL-3Signaling Pathway; Jak-STAT signaling pathway; Senescence and

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

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