

Active Recombinant Mouse Interleukin 3

Cat. No. II3-592M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse IL3 was expressed in E. coli.
Species	Mouse
Source	Mouse
Description	IL3 acts as a colony stimulating factor, acting upon megakaryocytes, neutrophils and macrophages.
Form	Purified protein produced in E. coli - lyophilised.
Reconstitution	Reconstitute with 0.1 ml distilled water.
Endotoxin Level	< 0.1 ng/ug
Application	Functional Assays: 0.1 ng/ml - 10 ng/ml
Molecular Weight	15 kD (135 Amino acid sequence).
Concentration	0.1 mg/ml
Activity	> 1 x 10 ⁷ units/mg
Purity	> 98% by SDS PAGE and HPLC analysis.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Prior to reconstitution store at +4°C. Following reconstitution store at -20°C. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Official Symbol 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 growth factor; 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-3 Signaling 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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