

## Recombinant Mouse Interleukin 5

Cat. No. II5-224M Lot. No. (See product label)

### SPECIFICATION

**Species** Mouse

**Source** Sf21 Cells

**Description**

Interleukin 5 or IL-5 is an interleukin produced by T helper-2 cells and mast cells. Its functions are to stimulate B cell growth and increase immunoglobulin secretion. It is the main factor that promotes the terminal differentiation of eosinophil progenitors and enhances the effector capacity of mature eosinophils. IL-5 is a TH2 cytokine which is part of the hematopoietic family. Unlike other members of this cytokine family in its active form, this glycoprotein is a homodimer. IL-5 expression is regulated by several transcription factors including GATA-3.

**Molecular Weight** The predicted molecular weight of Recombinant Mouse IL-5 is Mr 32-34 kDa.

**State Of Matter** Solution.

**Purity** >97% by SDS Page and analyzed by silver stain.

**Endotoxin** <1.0 EU/g as determined by the LAL method.

**Storage And Stability** -20°C to -70°C.

### GENE INFORMATION

**Gene Name** II5 interleukin 5 [ *Mus musculus* ]

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<b>Synonyms</b>	IL5; interleukin 5; IL-5; OTTMUSP00000005818
<b>Gene ID</b>	<a href="#">16191</a>
<b>mRNA Refseq</b>	<a href="#">NM_010558</a>
<b>Protein Refseq</b>	<a href="#">NP_034688</a>
<b>UniProt ID</b>	<a href="#">P04401</a>
<b>Chromosome Location</b>	11 A5/B1; 11 29.2 cM
<b>Pathway</b>	Allograft rejection; Autoimmune thyroid disease; Cytokine-cytokine receptor interaction; Fc epsilon RI signaling pathway; Hematopoietic cell lineage; Jak-STAT signaling pathway; T cell receptor signaling pathway
<b>Function</b>	cytokine activity; growth factor activity; interleukin-5 receptor binding

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