

Recombinant Mouse Interleukin 5

Cat. No. IL5-224M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

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

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Gene Name	IL5 interleukin 5 [Mus musculus]
Synonyms	IL5; interleukin 5; IL-5; OTTMUSP00000005818
Gene ID	16191
mRNA Refseq	NM_010558
Protein Refseq	NP_034688
UniProt ID	P04401
Chromosome Location	11 A5/B1; 11 29.2 cM
Pathway	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
Function	cytokine activity; growth factor activity; interleukin-5 receptor binding

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