

Active Recombinant Mouse IL5 Protein, His-Tagged

Cat. No. IL5-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse IL5 Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	Interleukin 5 (IL-5) is an interleukin produced by type-2 T helper cells and mast cells. Through binding to the interleukin-5 receptor, interleukin 5 stimulates B cell growth and increases immunoglobulin secretion - primarily IgA. It is also a key mediator in eosinophil activation.
Form	Lyophilized powder
AA Sequence	MEIPMSTVVKETLTQLSAHRALLTSNETMRLPVPTHKNHQLCIGEIFQGLDILKNQTV RGGTVEMLFQNLSLIKKYIDRQKEKCGEERRRTRQF LDYLQEFLGVMSTEWAMEG with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Bio-activity	Measure by its ability to induce TF-1 cells proliferation. The ED50 for this effect is <0.2 ng/mL. The specific activity of recombinant mouse IL-5 is > 5 x 10 ⁶ IU/mg.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

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Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
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Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
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Notes	Please use within one month after protein reconstitution.
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GENE INFORMATION

Gene Name	IL5 interleukin 5 [<i>Mus musculus</i> (house mouse)]
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Official Symbol	IL5
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Synonyms	IL-5
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Gene ID	16191
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mRNA Refseq	NM_010558.1
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Protein Refseq	NP_034688.1
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UniProt ID	P04401
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