

## Active Recombinant Mouse IL5 Protein, His-Tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse IL5 Protein, His-tagged was expressed in E. coli cell
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	MEIPMSTVVKETLTQLSAHRALLTSNETMRLPVPTHKNHQLCIGEIFQGLDILKNQTV RGGTVEMLFQNLSLIKKYIDRQKEKCGEERRRTRQF LDYLQEFLGVMSTEWAMEG with polyhistidine tag at the C-terminus
<b>Endotoxin</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Bio-activity</b>	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 <sup>6</sup> IU/mg.
<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Storage Buffer</b>	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

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<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> 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.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Notes</b>	Please use within one month after protein reconstitution.

## GENE INFORMATION

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

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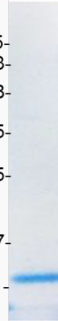
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