

## Active Recombinant Mouse Il5 Protein (Met21-Gly133), C-His tagged, Animal-free, Carrier-free

Cat. No. Il5-60M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Il5 Protein (Met21-Gly133) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met21-Gly133
<b>Description</b>	Interleukin 5 (IL-5) is a 45-60 kDa homodimeric cytokine that functions principally in the eosinophil arm of the Th2 response. It is a member of the helical bundle family of cytokines, along with IL-3, IL-4, and granulocyte macrophage-colony stimulating factor (GM-CSF).
<b>Form</b>	Lyophilized
<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 × 10 <sup>6</sup> IU/mg.
<b>Molecular Mass</b>	The protein has a calculated MW of 13.93 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).
<b>Endotoxin</b>	< 0.1 EU/μg of the protein by the LAL method.

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<b>Purity</b>	>98% as determined by SDS-PAGE analysis.
<b>Storage</b>	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

## GENE INFORMATION

<b>Gene Name</b>	IL5 interleukin 5 [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	IL5
<b>Synonyms</b>	IL5; interleukin 5; interleukin-5; TRF; BCGF-II; B-cell growth factor II; T-cell replacing factor; cytotoxic T-lymphocyte inducer; eosinophil differentiation factor; IL-5;
<b>Gene ID</b>	16191
<b>mRNA Refseq</b>	NM_010558
<b>Protein Refseq</b>	NP_034688

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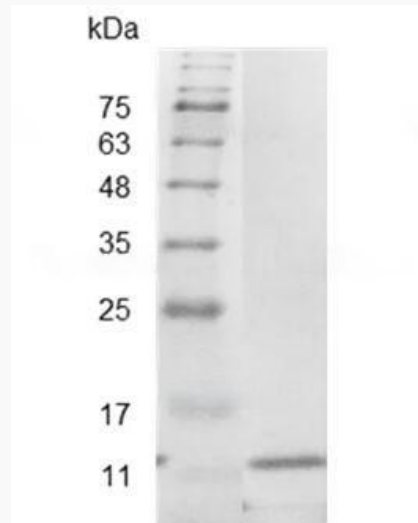
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UniProt ID

P04401

**SDS-PAGE analysis  
of recombinant  
mouse IL-5.**



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