

Active Recombinant Mouse IL5 Protein (Met21-Gly133), C-His tagged, Animal-free, Carrier-free

Cat. No. IL5-60M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL5 Protein (Met21-Gly133) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Met21-Gly133
Description	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).
Form	Lyophilized
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 × 10 ⁶ IU/mg.
Molecular Mass	The protein has a calculated MW of 13.93 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE analysis.
Storage	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.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	IL5 interleukin 5 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL5
Synonyms	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;
Gene ID	16191
mRNA Refseq	NM_010558
Protein Refseq	NP_034688

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UniProt ID

P04401

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

kDa

75

63

48

35

25

17

11

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