

Recombinant Mouse IL5 Protein, His-tagged

Cat. No. IL5-1680M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL5 Protein (Ala20-Gly133) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala20-Gly133
Description	Enables cytokine activity. Involved in positive regulation of DNA-binding transcription factor activity; positive regulation of immunoglobulin production; and positive regulation of transcription, DNA-templated. Acts upstream of or within positive regulation of peptidyl-tyrosine phosphorylation. Located in extracellular space. Is expressed in colon; thymus; and thymus primordium. Human ortholog(s) of this gene implicated in asthma. Orthologous to human IL5 (interleukin 5).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.9 kDa Accurate Molecular Mass: 17 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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
UniProt ID	P04401

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