

Recombinant Mouse Il5 Protein, His-tagged

Cat. No. Il5-1680M Lot. No. (See product label)

SPECIFICATION

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| 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

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| 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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