Recombinant Rat Il5 Protein, His-tagged

Cat. No. Il5-1681R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Il5 Protein (Met1-Val132) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Val132
Description	Enables cytokine activity and interleukin-5 receptor binding activity. Involved in several processes, including positive regulation of B cell proliferation; positive regulation of eosinophil differentiation; and positive regulation of receptor signaling pathway via JAK-STAT. Located in extracellular space. Used to study asthma. Biomarker of several diseases, including allergic rhinitis; esophageal cancer; middle cerebral artery infarction; peptic esophagitis; and prostatic hypertrophy. Human ortholog(s) of this gene implicated in asthma. Orthologous to human IL5 (interleukin 5).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.2 kDa Accurate Molecular Mass: 17 kDa
Purity	> 97%
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 PBS or others.

GENE INFORMATION

Gene Name	Il5 interleukin 5 [Rattus norvegicus (Norway rat)]
Official Symbol	Il5
Synonyms	IL5; interleukin 5; interleukin-5; TRF; IL-5; BCGF-II; B-cell growth factor II; T-cell replacing factor; cytotoxic T-lymphocyte inducer; eosinophil differentiation factor; Interleukin 5 (colony-stimulating factor eosinophil); Interleukin 5 (colony-stimulating factor, eosinophil);
Gene ID	24497
mRNA Refseq	NM_021834
Protein Refseq	NP_068606
UniProt ID	Q08125

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