

## Recombinant Horse IL5 Protein, His&GST-tagged

Cat. No. IL5-1042H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Horse IL5 Protein (Leu20-Gly134) with His&GST tag was expressed in E. coli.
<b>Species</b>	Horse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Leu20-Gly134
<b>Description</b>	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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 43.1 kDa; Accurate Molecular Mass: 44 kDa
<b>Purity</b>	> 97%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by

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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 (colony-stimulating factor, eosinophil) [ *Equus caballus* ]

**Official Symbol**

IL5

**Synonyms**

IL5; interleukin 5 (colony-stimulating factor, eosinophil); interleukin-5; TRF; T-cell replacing factor; eosinophil differentiation factor; IL-5;

**Gene ID**

100034199

**mRNA Refseq**

NM\_001082499

**Protein Refseq**

NP\_001075968

**UniProt ID**

O02699

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