

## Recombinant Human IL5 protein(Met1-Ser134), His-tagged

Cat. No. IL5-502H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL5 (NP_000870.1) (Met1-Ser134) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Ser134
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is typically 0.2-1.2 ng/mL.
<b>Molecular Mass</b>	The recombinant human IL5 consists of 126 amino acids and predicts a molecular mass of 14.6 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** IL5 interleukin 5 (colony-stimulating factor, eosinophil) [ Homo sapiens ]

**Official Symbol** IL5

**Synonyms** IL5; interleukin 5 (colony-stimulating factor, eosinophil); interleukin-5; B cell differentiation factor I; EDF; eosinophil differentiation factor; IL 5; interleukin 5; T cell replacing factor; TRF; T-cell replacing factor; B-cell differentiation factor I; IL-5;

**Gene ID** 3567

**mRNA Refseq** NM\_000879

**Protein Refseq** NP\_000870

**MIM** 147850

**UniProt ID** P05113

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