

## Active Recombinant Human IL5 protein, His&hFc-tagged

Cat. No. IL5-185H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human IL5 protein(P05113)(20~134 aa), fused with N-terminal His tag and C-terminal hFc tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	20-134 aa
<b>Form</b>	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Bio-activity</b>	<p>Interleukin-5 (IL-5), a secreted glycoprotein, is a member of the hematopoietic family. Interleukin 5 has been shown to stimulate the proliferation of TF-1 cells. To test this effect, TF-1 cells were seeded into triplicate wells of 96-well plates at a density of <math>2 \times 10^4</math> cells/well and incubated for 72h in the presence or absence of various concentrations of recombinant human IL-5 at 37°C. The growth of cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 <math>\mu</math>of CCK-8 solution was added to each well of the plate, then measure the absorbance at 450 nm using a microplate reader after incubating the plate for 1-4 hours at 37°C . Cell proliferation of TF-1 cells after incubation with IL-5 for 72h observed by inverted microscope was shown. The dose-effect curve of recombinant human IL-5 was shown. It was obvious that it significantly promoted cell proliferation of TF-1 cells. The ED50 for this effect is typically 35 ng/ml.</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Molecular Mass</b>	44.2kDa
<b>Endotoxin</b>	<1.0EU per 1µg (determined by the LAL method).
<b>Purity</b>	> 90% as determined by SDS-PAGE.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
<b>Reconstitution</b>	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

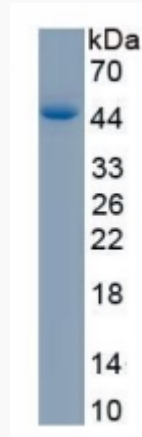
<b>Gene Name</b>	IL5 interleukin 5 (colony-stimulating factor, eosinophil) [ Homo sapiens ]
<b>Official Symbol</b>	IL5
<b>Synonyms</b>	IL5; interleukin 5 (colony-stimulating factor, eosinophil); interleukin-5; B cell differentiation factor I; EDF; eosinophil differentiation factor; IL 5; interleukin 5; T cell replacing factor; TRF; T-cell replacing factor; B-cell differentiation factor I; IL-5;
<b>Gene ID</b>	3567
<b>mRNA Refseq</b>	NM_000879
<b>Protein Refseq</b>	NP_000870
<b>MIM</b>	147850
<b>UniProt ID</b>	P05113

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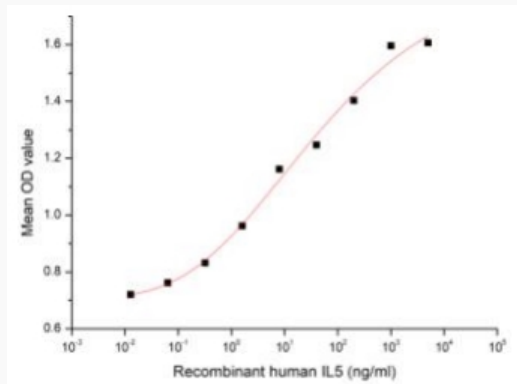
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**SDS-PAGE**



**Activity**



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