

Active Recombinant Human IL5 protein, His&hFc-tagged

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

SPECIFICATION

Product Overview	Active Recombinant Human IL5 protein(P05113)(20~134 aa), fused with N-terminal His tag and C-terminal hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	20-134 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	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 2×10^4 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 μl 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.

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

GENE INFORMATION

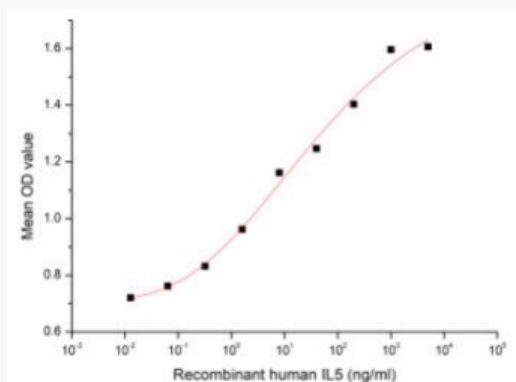
Gene Name	IL5 interleukin 5 (colony-stimulating factor, eosinophil) [Homo sapiens]
Official Symbol	IL5
Synonyms	IL5; interleukin 5 (colony-stimulating factor, eosinophil); interleukin-5; B cell differentiation factor I; EDF; eosinophil differentiation factor; IL 5; interleukin 5; T cell replacing factor; 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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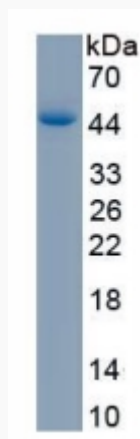
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Activity



SDS-PAGE



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