

Active Recombinant Mouse IL5 protein, His-tagged

Cat. No. IL5-1043M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse IL5 protein(P04401)(20~133 aa), fused with N-terminal His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	20-133 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 mouse 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 mouse IL-5 was shown. It was obvious that it significantly promoted cell proliferation of TF-1 cells. The ED50 for this effect is typically 2.9 ng/ml.

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Molecular Mass	14.8kDa
Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 95% 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

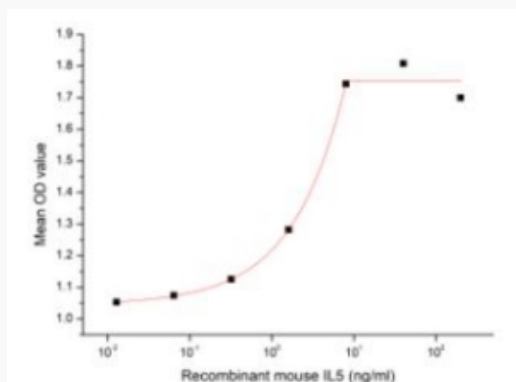
Gene Name	IL5 interleukin 5 [<i>Mus musculus</i>]
Official Symbol	IL5
Synonyms	IL5; interleukin 5; interleukin-5; TRF; BCGF-II; B-cell growth factor II; T-cell replacing factor; cytotoxic T-lymphocyte inducer; eosinophil differentiation factor; IL-5;
Gene ID	16191
mRNA Refseq	NM_010558
Protein Refseq	NP_034688

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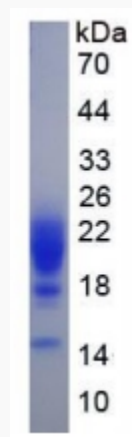
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Activity



SDS-PAGE



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