

## Active Recombinant Mouse IL5 Protein, His-tagged

Cat. No. IL5-08M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse IL-5 (21-133aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
<b>Species</b>	Mouse
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	21-133aa
<b>Description</b>	Factor that induces terminal differentiation of late-developing B-cells to immunoglobulin secreting cells.
<b>Form</b>	Liquid
<b>Bio-activity</b>	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 range $\leq 1$ ng/mL.
<b>Molecular Mass</b>	13.9kDa (119aa)
<b>AA Sequence</b>	MEIPMSTVVKETLTQLSAHRALLTSNETMRLPVPTHKNHQLCIGEIFQGLDILKNQTV RGGTVEMLFQNLSLIKKYIDRQKEKCGEERRRTRQFLDYLQEFLGVMSTEWAMEG
<b>Endotoxin</b>	< 1 EU/ $\mu$ g of protein (determined by LAL method)
<b>Purity</b>	> 90% by SDS-PAGE

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<b>Applications</b>	SDS-PAGE, Bioactivity
<b>Storage</b>	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.25 mg/mL (determined by Absorbance at 280nm)
<b>Storage Buffer</b>	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

## GENE INFORMATION

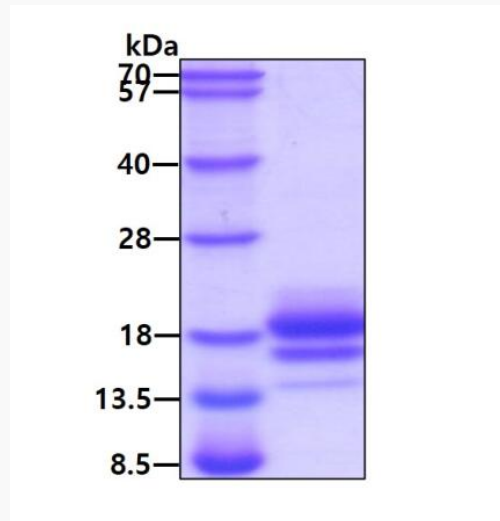
<b>Gene Name</b>	IL5 interleukin 5 [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	IL5
<b>Synonyms</b>	IL5; interleukin 5; IL; IL-5; interleukin-5; B-cell growth factor II; BCGF-II; T-cell replacing factor; TRF; cytotoxic T-lymphocyte inducer; eosinophil differentiation factor
<b>Gene ID</b>	16191
<b>mRNA Refseq</b>	NM_010558
<b>Protein Refseq</b>	NP_034688
<b>UniProt ID</b>	P04401

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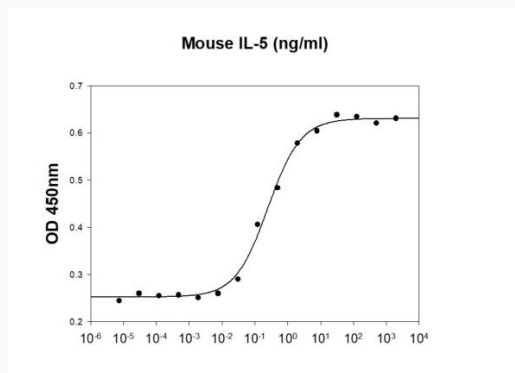
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**SDS-PAGE**



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain

**Biological Activity**



Mouse IL-5 in a cell proliferation assay using TF-1 human erythroleukemic cells.  
The ED50 range  $\leq$  1 ng/mL.

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