Active Recombinant Mouse Il5 Protein, His-tagged

Cat. No. Il5-08M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	Insect Cells
ProteinLength	21-133aa
Description	Factor that induces terminal differentiation of late-developing B-cells to immunoglobulin secreting cells.
Form	Liquid
Bio-activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 range ≤ 1 ng/mL.
Molecular Mass	13.9kDa (119aa)
AA Sequence	MEIPMSTVVKETLTQLSAHRALLTSNETMRLPVPTHKNHQLCIGEIFQGLDILKNQTV RGGTVEMLFQNLSLIKKYIDRQKEKCGEERRRTRQFLDYLQEFLGVMSTEWAMEG
Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 90% by SDS-PAGE

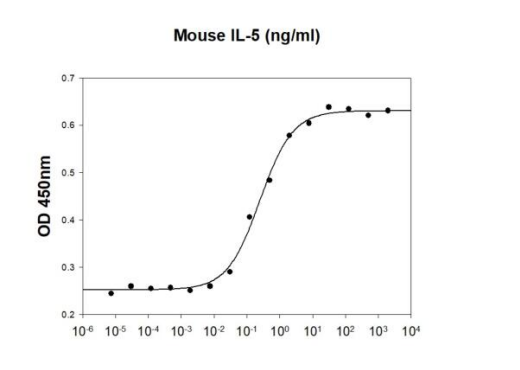
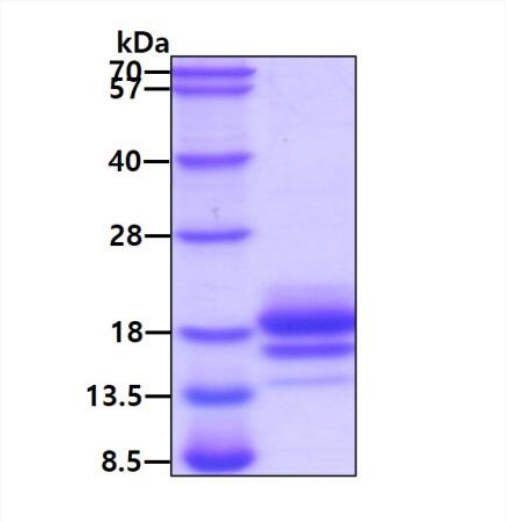
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Applications	SDS-PAGE, Bioactivity
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/mL (determined by Absorbance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

GENE INFORMATION

Gene Name	Il5 interleukin 5 [Mus musculus (house mouse)]
Official Symbol	Il5
Synonyms	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
Gene ID	16191
mRNA Refseq	NM_010558
Protein Refseq	NP_034688
UniProt ID	P04401

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Biological Activity	 Mouse IL-5 in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 range ≤ 1 ng/mL.
SDS-PAGE	 3μg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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