

Active Recombinant Mouse Il13 Protein (Pro22-Fhe131), C-His tagged, Animal-free, Carrier-free

Cat. No. Il13-49M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il13 Protein (Pro22-Fhe131) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Pro22-Fhe131
Description	Interleukin 13 (IL-13) with a molecular mass of 10 kDa cytokine, it secreted by T helper type 2 (Th2) cells, CD4 cells, natural killer T cell, mast cells, basophils, eosinophils and nuocytes. It is homologous to IL-4 and shares many of its biologic activities on mononuclear phagocytic cells, endothelial cells, epithelial cells, and B cells.
Form	Lyophilized
Bio-activity	Measure by its ability to induce TF-1 cells proliferation. The ED50 for this effect is < 4 ng/mL. The specific activity of recombinant mouse IL-13 is > 2.5 × 10 ⁵ IU/mg.
Molecular Mass	The protein has a calculated MW of 13.06 kDa. The protein migrates about 11 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

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Purity	>95% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 2 weeks under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

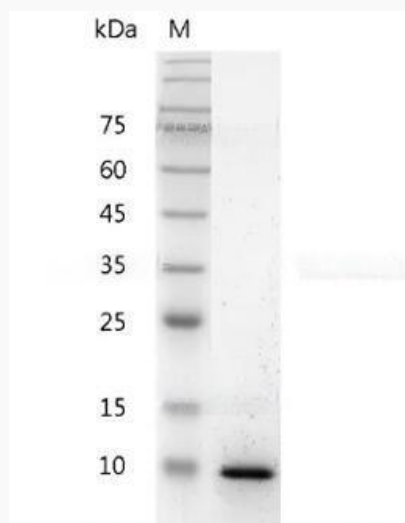
Gene Name	IL13 interleukin 13 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL13
Synonyms	IL13; interleukin 13; interleukin-13; T-cell activation protein P600; IL-13;
Gene ID	16163
mRNA Refseq	NM_008355
Protein Refseq	NP_032381
UniProt ID	P20109

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**SDS-PAGE analysis
of recombinant
mouse IL-13.**



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