

Active Recombinant Human IL13 Protein (Gly35-Asn146), C-His tagged, Animal-free, Carrier-free

Cat. No. IL13-179H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL13 Protein (Gly35-Asn146) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Gly35-Asn146
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 < 0.8 ng/mL. The specific activity of recombinant human IL-13 is approximately $>1 \times 10^6$ IU/ mg.
Molecular Mass	The protein has a calculated MW of 13.28 kDa. The protein migrates as 15 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.01 EU/μg of the protein by the LAL method.
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 8.0.
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 [Homo sapiens (human)]
Official Symbol	IL13
Synonyms	IL13; interleukin 13; interleukin-13; allergic rhinitis; ALRH; BHR1; Bronchial hyperresponsiveness 1 (bronchial asthma); IL 13; MGC116786; MGC116788; MGC116789; P600; Bronchial hyperresponsiveness-1 (bronchial asthma); IL-13;
Gene ID	3596
mRNA Refseq	NM_002188

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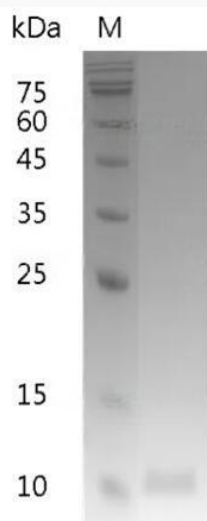
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Protein Refseq NP_002179

MIM 147683

UniProt ID P35225

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



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