

Recombinant Active Human IL13 Protein, His-tagged(C-ter)

Cat. No. IL13-143H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Active Human IL13 Protein with His tag (C-ter) was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4. [provided by RefSeq, Jul 2008]
Form	Powder
Bio-activity	Determined 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 x 10 ⁶ IU/mg.
AA Sequence	MSAPFSFLSNVKYNFMRIIKYEFILNDALNQSIIRANDQYLTAALHNLDEAVKFDMSA PFSFLSNVKYNFMRIIKYEFILNDALNQSIIRANDQYLTAALHNLDEAVKFDWFETHG TKNYFTSVAHPNLFIA TKQDYWVCLAGGPPSITDFQILENQA

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Endotoxin	Endotoxin level is less than 0.01 EU/μg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

GENE INFORMATION

Gene Name	IL13 interleukin 13 [Homo sapiens]
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

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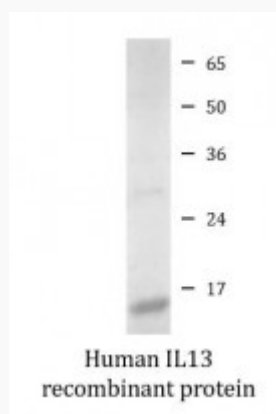
mRNA Refseq [NM_002188](#)

Protein Refseq [NP_002179](#)

MIM [147683](#)

UniProt ID [P35225](#)

SDS-PAGE



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