

Recombinant Human IL13, His-tagged

Cat. No. IL13-14149H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL13 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	21-146a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

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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](#)

mRNA Refseq [NM_002188](#)

Protein Refseq [NP_002179](#)

MIM [147683](#)

UniProt ID [P35225](#)

Chromosome Location [5q31](#)

Pathway [Asthma, organism-specific biosystem](#); [Asthma, conserved biosystem](#); [Cytokine-cytokine receptor interaction, organism-specific biosystem](#); [Cytokine-cytokine receptor interaction, conserved biosystem](#); [Cytokines and Inflammatory Response, organism-specific biosystem](#); [Fc epsilon RI signaling pathway, organism-specific biosystem](#); [Fc epsilon RI signaling pathway, conserved biosystem](#);

Function [cytokine activity](#); [interleukin-13 receptor binding](#); [protein binding](#);

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