

Recombinant Human IL13 Protein, His-tagged

Cat. No. IL13-120H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human Interleukin-13 is produced by our Mammalian expression system and the target gene encoding Leu25-Asn146 is expressed with a 6His tag at the C-terminus.

Species Human

Source Human Cells

ProteinLength Leu25-Asn146

Description Interleukin-13 is also known as IL-13. It is a protein that in humans is encoded by the IL13 gene. Interleukin-13 is an immunoregulatory cytokine produced primarily by activated Th2 cells. It 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.

Form Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH7.4.

AA Sequence LTCLGGFASPGPVPPSTALRELIEELVNITQNQKAPLCNGSMVWSINLTAGMYCAAL
ESLINVSGCSAIE KTQRMLSGFCPHKVS AGQFSSLHVRDTKIEVAQFVKDLLLHLKK
LFREGQFNVDHHHHHHH

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Endotoxin	Less than 0.1 ng/ug (1 EU/ug).
Purity	>95%
Storage	<p>Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.</p>
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Statement	Purity: Greater than 95% as determined by reducing SDS-PAGE.
Shipping	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>

GENE INFORMATION

Gene Name	IL13 interleukin 13 [Homo sapiens (human)]
Official Symbol	IL13
Synonyms	Interleukin-13; IL-13; P600
Gene ID	3596
mRNA Refseq	NM_001354991.2

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Protein Refseq NP_001341920.1

MIM 147683

UniProt ID P35225

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