

## Recombinant Human IL13 Protein, His/DDK-tagged

Cat. No. IL13-335H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL13(Gly35-Asp146) fused with His/DDK tag at N-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Gly35-Asp146
<b>Description</b>	<p>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.</p>
<b>Form</b>	1 x PBS, pH7.4.
<b>Molecular Mass</b>	16 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

## GENE INFORMATION

<b>Gene Name</b>	IL13 interleukin 13 [ Homo sapiens ]
<b>Official Symbol</b>	IL13
<b>Synonyms</b>	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;
<b>Gene ID</b>	3596
<b>mRNA Refseq</b>	NM_002188
<b>Protein Refseq</b>	NP_002179
<b>MIM</b>	147683
<b>UniProt ID</b>	P35225

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