

## Active Recombinant Human IL13 protein(R110Q)

Cat. No. IL13-124H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL13 protein(R110Q)(P35225)(35-146 aa) was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	35-146 aa
<b>Form</b>	Lyophilized from a 0.2 g filtered concentrated solution in PBS, pH 7.2, with 5 % trehalose.
<b>Bio-activity</b>	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human TF-1 cells is less than 0.5 ng/ml, corresponding to a specific activity of $> 2.0 \times 10^6$ IU/mg.
<b>Molecular Mass</b>	Approximately 12.3 kDa, a single non-glycosylated polypeptide chain containing 112 amino acids, with a substitution of Q for R at position 110 compared with the wild type IL-13.
<b>AASequence</b>	GPVPPSTALR ELIEELVNIT QNQKAPLCNG SMVWSINLTA GMYCAALES L INVSGCSAIE KTQRMLSGFC PHKVSAGQFS SLHVRDTKIE VAQFVKDLLL HLKKLFREGQ FN
<b>Endotoxin</b>	Less than 1 EU/g of rHuIL-13, Variant as determined by LAL method.

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<b>Purity</b>	> 97 % by SDS-PAGE and HPLC analyses.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

## 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

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UniProt ID

P35225

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