

Recombinant Human Interleukin 13, His-tagged

Cat. No. IL13-44H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Interleukin-13 His produced in <i>E. Coli</i> is a single, non-glycosylated, Polypeptide chain containing 112 amino acids fragment (21-132) having a molecular weight of 12.84 kDa with a 4 kDa amino-terminal his-tagged. The IL-13 His is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
Protein Length	21-132 a.a.
Description	Interleukin-13 is a pleiotropic regulatory cytokine, which shares many of the properties of Interleukin-4. IL-13 is produced primarily by activated T lymphocytes and acts via specific cell surface receptor complexes. Its biological activities include the stimulation of B-cell proliferation and differentiation and the regulation of inflammatory and immune responses.
Physical Appearance	Sterile Filtered clear solution (0.1 mg/ml).
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Formulation	Interleukin -13 His-Tag protein is supplied in 50mM Sodium Acetate (pH 4.8) and 50% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

GENE INFORMATION
Gene Name

IL13 interleukin 13 [Homo sapiens]

Synonyms

IL13; interleukin 13; ALRH; BHR1; P600; IL-13; MGC116786; MGC116788; MGC116789; Interleukin-13; NC30

Gene ID

3596

mRNA Refseq

NM_002188

Protein Refseq

NP_002179

MIM

147683

UniProt ID

P35225

**Chromosome
Location**

5q31

Pathway

Asthma; Cytokine-cytokine receptor interaction; Fc epsilon RI signaling pathway; Jak-STAT signaling pathway

Function

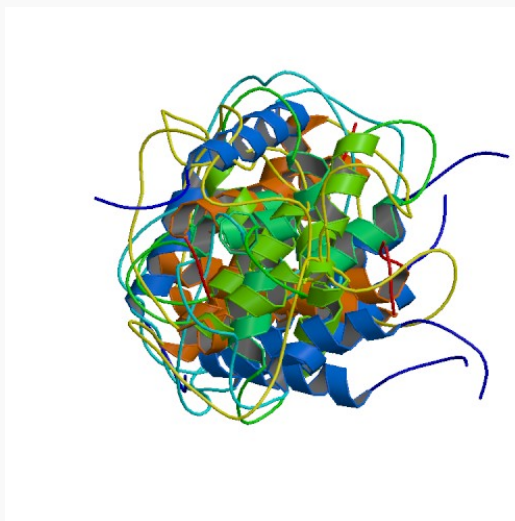
cytokine activity; interleukin-13 receptor binding; protein binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PDB rendering based
on 1ga3.



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA