

RP01105

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Recombinant Human IL-13 Protein

Catalog No.: RP01105

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	3596	P35225

Tags

C-6×His

Synonyms

IL13;IL-13;P600

Background

This protein is 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.

Basic Information

Description

Recombinant Human IL-13 Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Leu25-Asn146) of human IL-13 (Accession #P35225) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Product Information

Source

Mammalian

Purification

> 95% by SDS-PAGE.

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM PB,150mM NaCl,pH7.4.Contact us for customized product form or formulation.

Reconstitution

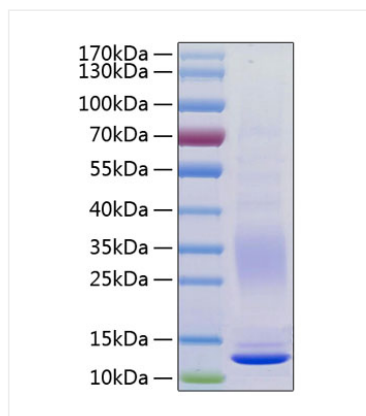
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Contact



www.abclonal.com

Validation Data



Recombinant Human IL-13 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 13-30 kDa.