

Biotinylated Recombinant Human IL-13 Protein

Catalog No.: RP02394B

Sequence Information

Species	Gene ID
Human	3596
Swiss Prot	Tags
AAK53823 (P35225)	N-His&Avi

Synonyms

IL13, IL-13, P600

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE.

Calculated MW	Observed MW
15.3 kDa	15, 35-45 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Interleukin-13 (IL-13) is a monomeric 17 kDa immunoregulatory cytokine that plays a key role in the pathogenesis of allergy, cancer, and tissue fibrosis. It is secreted by several helper T cell subsets, NK cells, mast cells, eosinophils, basophils, and visceral smooth muscle cells. Inhibits inflammatory cytokine production. Synergizes with IL2 in regulating interferon-gamma synthesis. May be critical in regulating inflammatory and immune responses.

Basic Information

Description

Biotinylated Recombinant Human IL-13 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Gly21-Asn132) of Human IL-13 fused with a His tag and Avi at the N-terminal.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

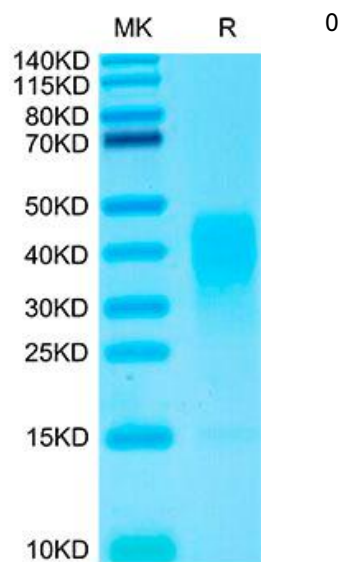
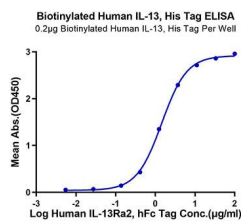
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Immobilized Biotinylated Human IL-13, His Tag at 2µg/ml (100µl/well) on the streptavidin (5µg/ml) precoated plate. Dose response curve for Human IL-13Ra2, hFc Tag with the EC₅₀ of 1.4µg/ml determined by ELISA.