

Catalog No.: RP02394B **Recombinant**

Species	Gene ID	Swiss Prot
Human	3596	AAK53823(P35225)

N-His&Avi

IL13:IL-13:P600

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

15.3 kDa 15. 35-45 kDa

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

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

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.

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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.

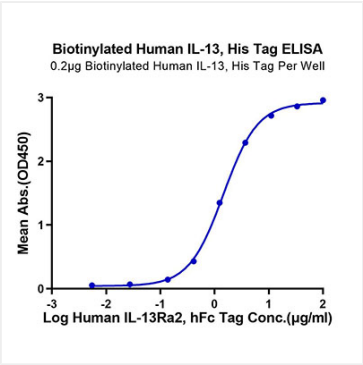
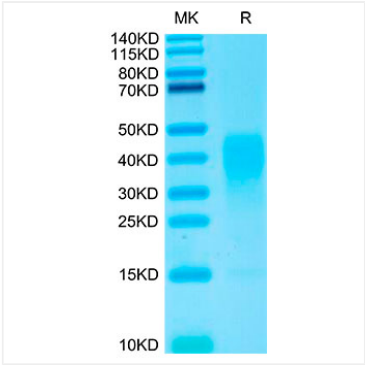
Biotinylated Recombinant Human IL-13 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Gly21-Asn132) of Human IL-13 fused with a His tag and Avi at the N-terminal.

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

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.

Validation Data



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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.