

HUMAN IL13(35-146) PROTEIN, HFC TAG**Cat.#:** 11793**Product Name:** Human IL13(35-146) Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** IL-13;NC30**Target:** IL13**UNIPROT ID:** P35225**Description:** Recombinant human IL13(35-146) protein with C-terminal human Fc tag**Background:** This gene encodes 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. [provided by RefSeq, Jul 2008]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 38.4 kDa after removal of the signal peptide. The apparent molecular mass of IL13(35-146)-hFc is approximately 33-53 kDa due to glycosylation.**Molecular Characterization:** IL13(Gly35-Asn146) hFc(Glu99-Ala330)**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

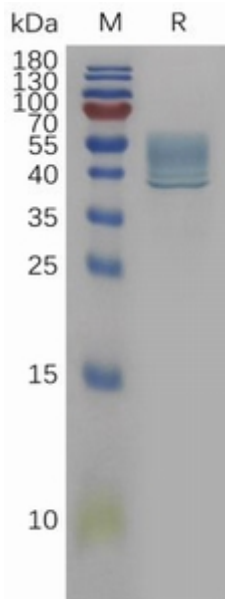


Figure 1. Human IL13(35-146) Protein, hFc Tag on SDS-PAGE under reducing condition.