

32-17983: Recombinant Human IL13(35-146) Protein, hFc Tag

Uniprot ID : P35225
Alternative Name : IL-13; NC30

Description

Molecular Characterization: IL13(Gly35-Asn146) hFc(Glu99-Ala330)

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.

Description: Recombinant human IL13(35-146) protein with C-terminal human Fc tag

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.

Product Info

Amount : 100 µg / 50 µg

Content : Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

Storage condition : 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.