

Recombinant human IL-13 protein (Active, CHO)

Catalog Number: bs-48055P

Species: Human

AA Seq: 35-146/146

Predicted MW: 12.3

Tags: Tag free

Activity: Yes

Endotoxin: ≤ 10 EU/mg

Purity: $\geq 95\%$ as determined by SDS-PAGE.

Purification: AC

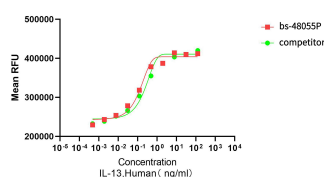
Form: Lyophilized

Storage: Lyophilized from 0.22 μ m-filtered solution in PBS, 5% mannitol, 0.01% Tween 80, pH7.4

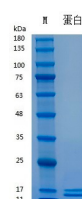
Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 36 months at -20°C to -80°C in lyophilized state. 6 months at -20°C to -80°C under sterile conditions after reconstitution. 7-10 days at 2°C to 8°C under sterile conditions after reconstitution.

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]

VALIDATION IMAGES



Measured in a cell proliferation assay using TF-1 cells. The ED50 ≤ 1.0 ng/ml, corresponding to a specific bioactivity of $\geq 1 \times 10^6$ U/mg.



The purity of the protein is greater than 95% as determined by reducing SDS-PAGE.