

HUMAN IL25 PROTEIN

Cat.#: 12278

Product Name: Human IL25 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: IL17E

Target: IL25

UNIPROT ID: Q9H293

Description: Recombinant human IL25 Protein with C-terminal human Fc tag

Background: The protein encoded by this gene is a cytokine that shares sequence similarity with interleukin 17. This cytokine can induce NF-kappaB activation, and stimulate the production of interleukin 8. Both this cytokine and interleukin 17B are ligands for the cytokine receptor IL17BR. Studies of a similar gene in mice suggest that this cytokine may be a pro-inflammatory cytokine favoring the Th2-type immune response. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 42.9 kDa after removal of the signal peptide. The apparent molecular mass of IL25-hFc is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: IL25(Tyr33-Gly177) 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.

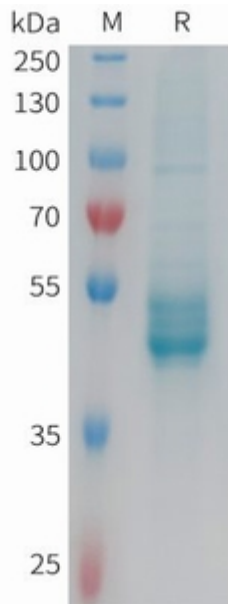


Figure 1. Human IL25 Protein, hFc Tag on SDS-PAGE under reducing condition.