

## 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.

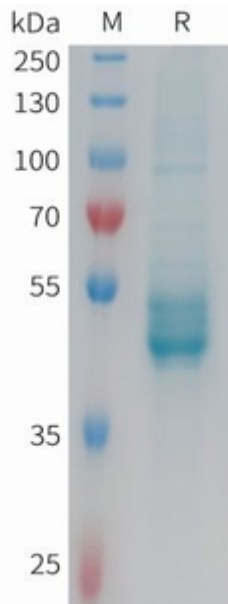


Figure 1. Human IL25 Protein, hFc Tag on SDS-PAGE under reducing condition.