HUMAN CCL11 PROTEIN, HFC TAG

Cat.#: 11971

Product Name: Human CCL11 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: SCYA11

Target: CCL11

UNIPROT ID: P51671

Description: Recombinant Human CCL11 Protein with C-terminal human Fc tag

Background: This antimicrobial gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, displays chemotactic activity for eosinophils, but not mononuclear cells or neutrophils. This eosinophil-specific chemokine is thought to be involved in eosinophilic inflammatory diseases such as atopic dermatitis, allergic rhinitis, asthma and parasitic infections. [provided by RefSeq, Sep 2014]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 34.0 kDa after removal of the signal peptide. The apparent molecular mass of CCL11-hFc is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: CCL11(Thr30-Pro97) 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 -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
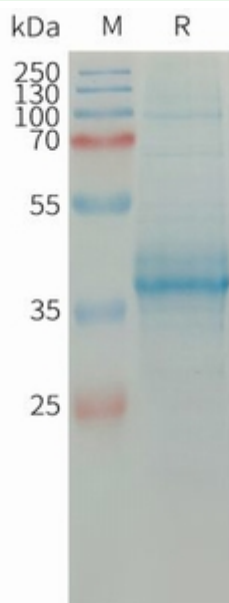
Figure 1.Human CCL11 Protein, hFc Tag on SDS-PAGE under reducing condition.