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32-18400: Human CCL5 Protein, hFc Tag

Uniprot ID: P13501

Alternative Name: SISd; eoCP; SCYA5; RANTES; TCP228; D17S136E; SIS-delta

Description

Description: Recombinant human CCL5 Protein with C-terminal human Fc tag

Background : This 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, functions as a chemoattractant for blood monocytes, memory T helper cells and eosinophils. It causes the release of histamine from basophils and activates eosinophils. This cytokine is one of the major HIV-suppressive factors produced by CD8 cells. It functions as one of the natural ligands for the chemokine receptor chemokine (C-C motif) receptor 5 (CCR5), and it suppresses in vitro replication of the R5 strains of HIV-1, which use CCR5 as a coreceptor. Alternative splicing results in multiple transcript variants that encode different isoforms.

Molecular Characterization: mass of 34.0 kDa after removal of the signal peptide. The apparent molecular mass of CCL5-hFc is approximately 35-55 kDa due to glycosylation.

Tag: C-Human Fc tag

Storage condition:

Product Info

Amount: 50 μg / 100 μg

Purification: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

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

lyophilization.

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.

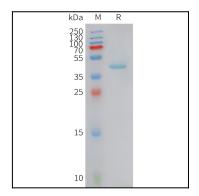


Figure 1. Human CCL5 Protein, hFc Tag on SDS-PAGE under reducing condition.