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Datasheet for ABIN7538182

CCL5 Protein (AA 24-91) (Fc Tag)

1 Image

Overview

Quantity:	50 µg
Target:	CCL5
Protein Characteristics:	AA 24-91
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCL5 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human CCL5 Protein with C-terminal human Fc tag
Specificity:	CCL5 (Ser24-Ser91) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CCL5
Alternative Name:	CCL5 (CCL5 Products)
Background:	This gene is one of several chemokine genes clustered on the q-arm of chromosome 17.

Target Details

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. [provided by RefSeq, Jul 2013]

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

UniProt: [P13501](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Smooth Muscle Cell Migration](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

Storage: -20 °C,-80 °C

Storage Comment: 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.

Expiry Date: 12 months



SDS-PAGE

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