# Recombinant Human CCL1/I-309 Protein

## Catalog No.: RP01613

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## Sequence Information

**Species**
Human

**Gene ID**
6346

**Swiss Prot**
P22362

**Tags**
No tag

**Synonyms**
CCL1,I-309,P500,SCYA1,SISe,TCA3

## Product Information

**Source**
*Pichia*

**Purification**
≥ 95 % as determined by SDS-PAGE.

**Calculated MW**
8.49 kDa

**Observed MW**
10-25 kDa

**Endotoxin**
< 0.1 EU/μg of the protein by LAL method.

**Formulation**
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

**Reconstitution**
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

CCL1 or chemokine (C-C motif) ligand 1, also known as I-309 or TCA-3, is a member of the chemokine (C-C motif) ligand family. The C-C chemokines have two cysteines nearby the amino terminus. There have been at least 27 distinct members of this subgroup reported for mammals, called C-C chemokine ligands (CCL)-1 to 28. I-309/CCL1/TCA-3 interacts with the G protein-linked transmembrane chemokine receptors CCR8 and induces biochemical events that may result in the control of chemotaxis, proliferation, apoptosis and adhesion. It has been demonstrated that I-309/CCL1/TCA-3 displays chemotactic activity for monocytes and other cell types such as NK cells and dendritic cells, but not for neutrophils. Furthermore, as the only known physiological ligand for CCR8, I-309/CCL1/TCA-3 was identified as a potent inhibitor of HIV-1 envelope-mediated cell-cell fusion and virus infection. I-309/CCL1/TCA-3 induces significant levels of LTC4 from elicited eosinophils.

## Basic Information

**Description**
Recombinant Human CCL1/I-309 Protein is produced by *Pichia* expression system. The target protein is expressed with sequence (Lys24-Lys96) of human CCL1/I-309 (Accession #NP_002972.1) fused with no additional amino acid.

**Activity**

**Shipping**
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

**Storage**
Store at -20℃

**Operational Notes**
For your safety and health, please wear a lab coat and disposable gloves for handling.

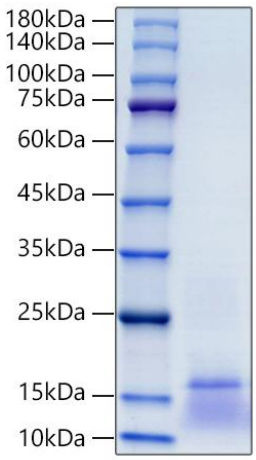
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## Validation Data




Recombinant Human CCL1/I-309 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.