



Synonym

CCL1,I-309,C-C motif chemokine 1

Source

Biotinylated Human CCL1, His,Avitag(CC1-H82E9) is expressed from human 293 cells (HEK293). It contains AA Lys 24 - Lys 96 (Accession # [P22362-1](#)). Predicted N-terminus: Lys 24

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 12.1 kDa. The protein migrates as 17-19 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

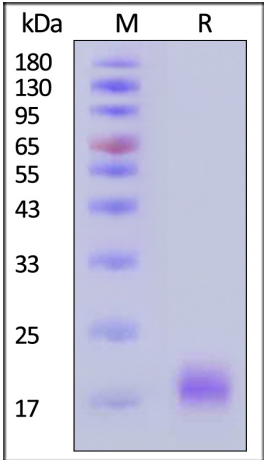
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

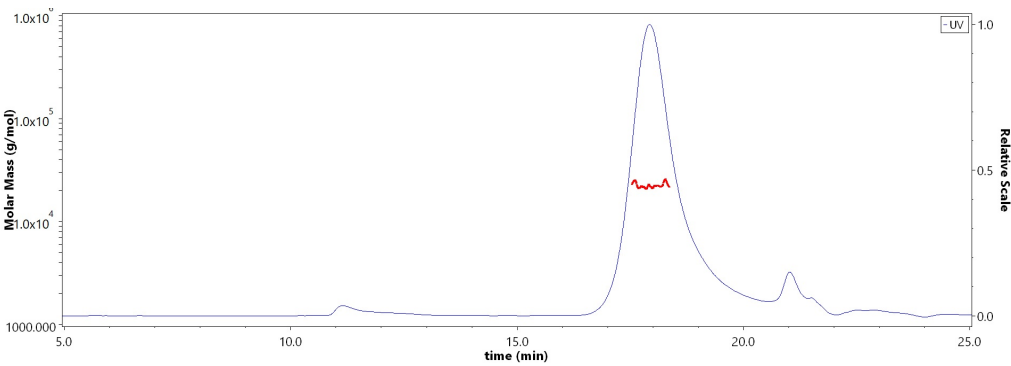
- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Biotinylated Human CCL1, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Biotinylated Human CCL1, His,Avitag (Cat. No. CC1-H82E9) is more than 90% and the molecular weight of this protein is around 18-26 kDa verified by SEC-MALS.

[Report](#)

Background

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. CCL1, a member of the CC subfamily, is secreted by activated T cells and



Biotinylated Human CCL1 / I-309 / C-C motif chemokine 1 Protein, His,Avitag™ (MALS verified)

Catalog # CC1-H82E9



displays chemotactic activity for monocytes but not for neutrophils. It binds to the chemokine (C-C motif) receptor 8.

