

Synonym

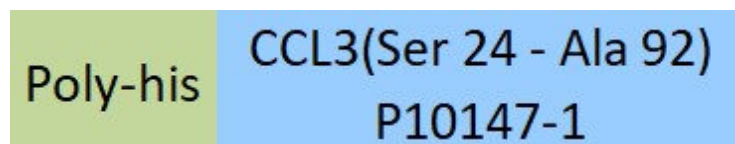
C-C motif chemokine 3, MIP1-(a), AI323804, CCL3, chemokine (C-C motif) ligand 3, G0S19-1, LD78a, LD78alpha, MIP1 alpha, MIP-1 alpha, MIP1A, MIP-1alpha, MIP1-alpha

Source

Human CCL3, His Tag (CC3-H5249) is expressed from E.coli cells. It contains AA Ser 24 - Ala 92 (Accession # [P10147-1](#)).

Predicted N-terminus: Met

Molecular Characterization



This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 9.7 kDa. The protein migrates as 12-13 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.1 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in 20 mM Tris, 150 mM NaCl, 0.2 M Arginine, 1 mM EDTA, pH 8.0. Normally trehalose is added as protectant before lyophilization.

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

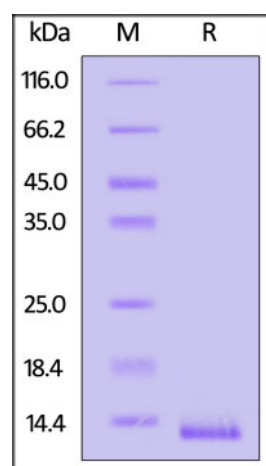
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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



Human CCL3, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Background

CCL3, also known as MIP-1-alpha, is a monokine with inflammatory and chemokinetic properties. CCL3 is an important chemokine implicated in both immune surveillance and tolerance, has emerged as a prognostic biomarker in both solid and hematological malignancies. Binds to CCR1, CCR4 and CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-alpha induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV).

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.