

Datasheet for ABIN7320487

CCL3 Protein (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	CCL3
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCL3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse CCL3 Protein (His Tag)
Sequence:	Ala24-Ala92
Characteristics:	Recombinant Mouse C-C Motif Chemokine 3 is produced by our E.coli expression system and the target gene encoding Ala24-Ala92 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CCL3
Alternative Name:	CCL3 (CCL3 Products)
Background:	Background: C-C Motif Chemokine 3 (MIP-1 alpha,CCL3) is a member of the beta or CC subfamily of chemokines and is closely related to CCL4/MIP-1 beta. CCL3 expression can be induced in a variety of hematopoietic cells, fibroblasts, smooth muscle cells, and epithelial cells.

Target Details

Mature mouse CCL3 shares 73 %, 91 %, and 82 % amino acid sequence identity with human, rat, and cotton rat CCL3, respectively. CCL3 exerts its biological functions through interactions with CCR1, CCR3, and CCR5. It is cleared from the extracellular space by internalization via the decoy chemokine receptor D6. CCL3 promotes the chemoattraction, adhesion to activated vascular endothelium, and cellular activation of many hematopoietic cell types including activated T cells, NK cells, neutrophils, monocytes, immature dendritic cells, and eosinophils. CCL3 is also known as stem cell inhibitor (SCI) and can inhibit the proliferation of hematopoietic progenitor cells. CCL3 bioactivity contributes to tumor metastasis and the inflammatory components of viral infection, rheumatoid arthritis, and hepatitis, although it also can suppress the replication of HIV.

Synonym: C-C motif chemokine 3, Heparin-binding chemotaxis protein, Macrophage inflammatory protein 1-alpha, MIP1-a, chemokine (C-C motif) ligand 3, LD78a, LD78 alpha, MIP-1 alpha, Scya3

Molecular Weight: 10.8 kDa

UniProt: [P10855](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Autophagy](#)

Application Details

Restrictions: For Research Use only

Handling

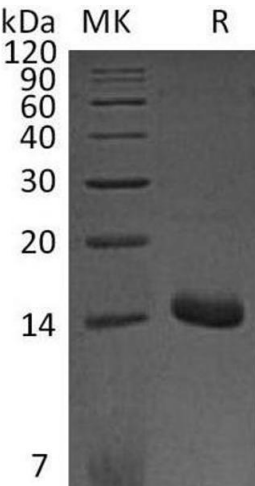
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, 5 % Trehalose, 1 mM EDTA, pH 8.0.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.