

## MIP-1 $\alpha$ / CCL3 (N-6His), Mouse, Recombinant

货号 : PCK231

### 产品信息

别名	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
物种	Mouse
表达宿主	E.coli
序列信息	Ala24-Ala92
检索号	P10855
分子量	10.8 kDa
标签	N-6His

### 产品特性

纯度	>95% as determined by reducing SDS-PAGE.
内毒素	<1.0 EU per $\mu$ g as determined by LAL test.
保存	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM Tris-HCl, 150mM NaCl, 5%Trehalose, 1mM EDTA, pH 8.0.



## 复融

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## 背景介绍

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. 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.

## SDS-PAGE

