

# Rat CCL3 / Mip1a Protein

Catalog Number: 80044-RNAE



Sino Biological  
Biological Solution Specialist

## General Information

### Gene Name Synonym:

CCL3

### Protein Construction:

A DNA sequence encoding the rat CCL3 (P50229) (Ala24-Ala92) was expressed and purified with an initial Met.

**Source:** Rat

**Expression Host:** E. coli

## QC Testing

**Purity:** > 95 % as determined by SDS-PAGE

### Endotoxin:

Please contact us for more information.

### Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** Met

### Molecular Mass:

The recombinant rat CCL3 consists of 70 amino acids and has a predicted molecular mass of 7.8 kDa. The apparent molecular mass of the recombinant protein is approximately 14 kDa in SDS-PAGE under reducing conditions.

### Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

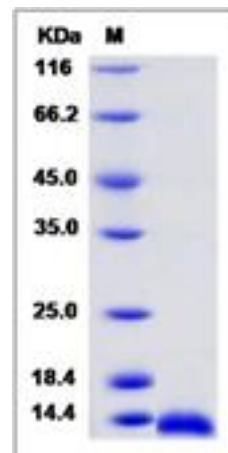
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



## Protein Description

CCL3 is a cytokine belonging to the CC chemokine family. Chemokines are a family of structurally related leukocyte chemoattractant cytokines that play a central role during immunoregulatory and inflammation processes. All chemokines contain four conserved cysteines linked by disulfide bonds, and two major subfamilies, namely CXC and CC, are defined on the basis of the first two cysteines which are separated by one amino acid or are adjacent. CCL3 is involved in the acute inflammatory state in the recruitment and activation of polymorphonuclear leukocytes.

## References

3.Zhao RY, *et al.* (2005) Viral infections and cell cycle G2/M regulation. *Cell Res.* 15(3):143-9. Joseph AM, *et al.* (2005) Nef: "necessary and enforcing factor" in HIV infection. *Curr HIV Res.* 3(1):87-94. Muthumani K, *et al.* (2004) HIV-1 Vpr and anti-inflammatory activity. *DNA Cell Biol.* 23(4): 239-47.

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