

# Recombinant Mouse CCL7/MCP-3 Protein

Catalog No.: RP01923 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	20306	Q03366

### Tags

N-His

### Synonyms

C-C motif chemokine 7; CCL7; chemokine (C-C motif) ligand 7; FIC; MARC; MCP-3; MCP3 Monocyte chemotactic protein 3; MCP-3 Small-inducible cytokine A7; MGC138465; Monocyte chemoattractant protein 3; NC28SCYA6; SCYA7MGC138463; small inducible cytokine A7 (monocyte chemotactic protein 3)

## Product Information

Source	Purification
<i>Pichia</i>	≥ 95% as determined by SDS-PAGE.

Calculated MW	Observed MW
9.35 kDa	15 kDa

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

 | 400-999-6126

## Background

Mouse CCL7/MCP-3, a member of the beta subfamily of chemokines, was initially identified as a transcript that is induced in a mouse mast cell line after Fc epsilon RI triggering by IgE plus antigen. Mouse MARC/MCP-3 expression has also been detected during murine experimental allergic encephalomyelitis in the spinal cord, and in LPS-stimulated murine WEHI -3 cells and Swiss 3T3 cells where MARC expression is glucocorticoid-attenuated. Except for one amino acid substitution, mouse MARC is identical to mouse FIC, the product of a growth factor-activated gene. Mouse CCR2, a mouse chemokine receptor, has been shown to bind JE/MCP-1 with high affinity and MARC/MCP-3 with lower affinity.

## Basic Information

### Description

Recombinant Mouse CCL7/MCP-3 Protein is produced by *Pichia* expression system. The target protein is expressed with sequence (Gln24-Pro97) of Mouse CCL7/MCP-3 (Accession #NP\_038682.1) fused with a his tag at the N-terminus.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

### Operational Notes

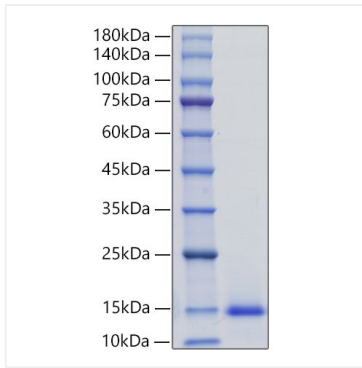
For your safety and health, please wear a lab coat and disposable gloves for handling.

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## Validation Data

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Recombinant Mouse CCL7/MCP-3 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.