

# Recombinant Human CCL2/MCP-1 Protein

Catalog No.: RP00316 **Recombinant** **1 Publications**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	6347	P13500

### Tags

No tag

### Synonyms

CCL2;GDCF-2;HC11;HSMCR30;MCAF;MCP-1;MCP1;SCYA2;SMC-CF

## Product Information

Source	Purification
<i>E. coli</i>	> 95% by SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

Chemokines are a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of N-terminal cysteine residues of the mature peptide. This chemokine is a member of the CC subfamily which is characterized by two adjacent cysteine residues. This cytokine displays chemotactic activity for monocytes and basophils but not for neutrophils or eosinophils. It has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis and atherosclerosis. It binds to chemokine receptors CCR2 and CCR4.

## Basic Information

### Description

Recombinant Human CCL2/MCP-1 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Gln24-Thr99) of human CCL2/MCP-1 (Accession #P13500).

### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term.

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.

## Contact

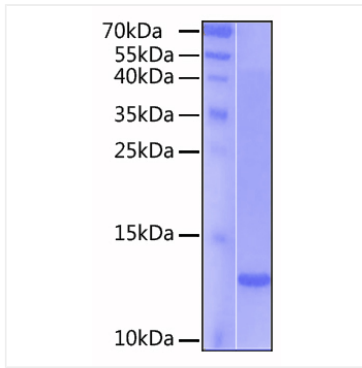
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## Validation Data

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Recombinant protein Human CCL2/MCP-1 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 12 kDa.