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## Recombinant mouse CCL2/MCP-1 protein

Catalog Number: ATGP2074

### **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

24-148aa

#### UniProt No.

P10148

#### **NCBI Accession No.**

NP 035463

## **Alternative Names**

Chemokine (C-C motif) ligand 2, Monocyte chemoattractant protein 1, Monocyte chemotactic protein 1, MCP-1, Platelet-derived growth factor-inducible protein JE, Small-inducible cytokine A2, Je, Mcp1, Scya2, HC11, MCAF, Sigje, SMC-CF

## **PRODUCT SPECIFICATION**

### **Molecular Weight**

16 kDa (146aa) confirmed by MALDI-TOF

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) 10% glycerol

#### **Purity**

> 85% by SDS-PAGE

## Tag

His-Tag

## **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

#### **Description**

Chemokine (C-C motif) ligand 2 (CCL2) is a small cytokine belonging to the CC chemokine family that is also known as monocyte chemotactic protein-1 (MCP-1). CCL2 recruits monocytes, memory T cells, and dendritic cells to sites of tissue injury and infection. It has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis and atherosclerosis. It binds to chemokine receptors



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CCR2 and CCR4. Recombinant mouse CCL2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

## **Amino acid Sequence**

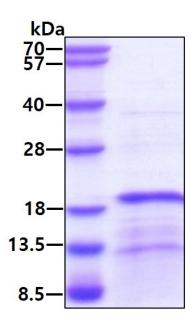
< MGSSHHHHHH SSGLVPRGSH M>QPDAVNAPL TCCYSFTSKM IPMSRLESYK RITSSRCPKE AVVFVTKLKR EVCADPKKEW VQTYIKNLDR NQMRSEPTTL FKTASALRSS APLNVKLTRK SEANASTTFS TTTSSTSVGV TSVTVN

#### **General References**

Foresti ML, Arisi GM, et al. (2009). J Neuroinflammation. 6:40. Semple BD, Bye N, et al. (2010). J Cereb Blood Flow Metab. 30(4):769-82.

#### **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

