9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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# MCP1 Rat, Sf9

*Monocyte Chemotactic Protein-1 Rat Recombinant, Sf9*
*CHK0112*

## Product Overview

| | |
|---|---|
| Name | MCP1 Rat, Sf9 |
| **Description** | |
| Monocyte Chemotactic Protein-1 Rat Recombinant, Sf9 | |
| Accession (Primary) | P14844 |
| **Synonyms** | |
| Small inducible cytokine A2, CCL2, Monocyte chemotactic protein 1, MCP-1, Monocyte chemoattractant protein 1, Monocyte chemotactic and activating factor, MCAF, Monocyte secretory protein JE, HC11, chemokine (C-C motif) ligand 2, MCP1, SCYA2, GDCF-2, SMC-CF, HSMCR30, MGC9434, GDCF-2 HC11 | |
| **Introduction** | |
| Chemokine (C-C motif) ligand 2 (CCL2) is a small cytokine belongs to the CC chemokine family which is also known as monocyte chemotactic protein-1 (MCP-1). MCP 1 is found at the site of tooth eruption and bone degradation. In the bone, CCL2 is expressed by mature osteoclasts. CCL2 recruits immune cells, such as monocytes, to sites of tissue injury and infection. MCP 1is produced as a protein precursor containing signal peptide of 23 amino acids and a mature peptide of 76 amino acids. As with many other CC chemokines, CCL2 is located on chromosome 17 in humans. The cell surface receptors that bind CCL2 are CCR2 and CCR5. | |
| **Source** | |
| Sf9, Baculovirus cells | |
| **Physical Appearance** | |
| Sterile filtered colorless solution. | |
| **Formulation** | |
| The MCP1 Rat protein solution (0.5mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4). | |
| **Stability** | |
| Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. | |
| **Purity** | |
| Greater than 90% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |
| ADPQPDAVNA PLTCCYSFTG KMIPMSRLEN YKRITSSRCP KEAVVFVTKL KREICADPNK EWVQKYIRKL | |

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DQNQVRSETT VFYKIASTLR TSAPLNVNLT HKSEANASTL FSTTTSSTSV EVTSMTEN HH HHHH

**Precautions**

MCP1 Rat, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P14844 )