

## 32-1934: mMCP 1 His Recombinant Protein

**Alternative Name :** 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,

### Description

Source : Escherichia Coli. MCP-1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 146 amino acids (24-148 a.a) and having a molecular mass of 16kDa.MCP-1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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). It is found at the site of tooth eruption and bone degradation. In the bone, CCL2 is expressed by mature osteoclasts and osteoblasts and is under the control of nuclear factor  $\kappa$ B (NF $\kappa$ B). CCL2 recruits immune cells, such as monocytes, to sites of tissue injury and infection. This chemokine is produced as a protein precursor containing signal peptide of 23 amino acids and a mature peptide of 76 amino acids. It is a monomeric polypeptide, with a molecular weight of approximately 13kDa. 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.

### Product Info

**Amount :** 20  $\mu$ g  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** MCP-1 protein solution (0.25mg/ml) containing PBS (pH 7.4) and 10% glycerol.  
**Storage condition :** 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).Please avoid freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MQPDAVNAPL TCCYSFTSKM IPMSRLESYK RITSSRCPKE  
AVVFVTKLKR EVCADPKKEW VQTYIKNLDR NQMRSEPTTL FKTASALRSS APLNVKLRK  
SEANASTTFS TTTSSTSVGV TSVTVN.

