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32-13677: MCP1 Rat, Sf9

Format :	The MCP1 Rat protein solution (0.5mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).
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, SMC-CF, HSMCR30, MGC9434, GDCF-2 HC11

Description

Source:Sf9, Baculovirus cells
Physical Appearance:Sterile filtered colorless solution.
Biological Activitynull
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.
MCP1 Rat Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 134 amino acids (24-148 aa) and having a molecular mass of 15.1kDa.MCP1 is fused to a 6 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	10 µg / 2 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
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).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPQPDAVNA PLTCCYSFTG KMIPMSRLEN YKRITSSRCP KEAVVFVTKL KREICADPNK EWVQKYIRKL DQNQVRSETT VFYKIASTLR TSAPLNVNLT HKSEANASTL FSTTTSSTSV EVTSMTENHH HHHH