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32-1932: MCP 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 Human Recombinant also known as Monocyte Chemotactic and Activating Factor (MCAF) produced in E.Coli is a non-glycosylated, Polypeptide chain containing 97 amino acids (24-99) and having a molecular mass of 10.9 kDa. The MCP-1 is fused to 20 amino acids His-Tag at N-terminus and 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 B (NFB). 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 :	50 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The His Tag MCP-1 protein (1mg/ml) solution contains 20mM Tris-HCL pH-8.0, 1mM DTT and 20% 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. Please avoid freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MQPDAINAPV TCCYNFTNRK ISVQRLASYR RITSSKCPKE AVIFKTIVAK EICADPKQKW VQDSMDHLDK QTQTPKT.

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