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32-13676: MCP1 Human, HEK

Format :	The MCP1 solution (0.25mg/1ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.
Alternative Name :	CCL2, C-C motif chemokine 2, GDCF-2, HSMCR30, JE, HC11, MCAF, MCP-1, MCP1, Scya2, Sigje, SMC-CF, Immediate-early serum-responsive protein JE, Monocyte chemoattractant protein 1, Small-inducible cytokine A2.

Description

Source:HEK293 Cells.
Physical Appearance:Sterile filtered colorless solution.
Biological ActivityMeasured its ability to chemoattract using THP-1 human acute monocytic leukemia cells. The ED50 range = 30 ng/ml.
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 (NF?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
MCP1 Human HEK Recombinant produced in HEK293 Cells is a single, glycosylated polypeptide chain containing 82 amino acids (24-99a.a) and having a molecular mass of 9.5 kDa.MCP1 is expressed with 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 90.0% 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 :	QPDAINAPVT CCYNFTNRKI SVQRLASYRR ITSSKCPKEA VIFKTIVAKE ICADPKQKWV QDSMDHLDKQ TQTPKTHHHH HH