

Recombinant Human Chemokine (C-C motif) Ligand 2, His-tagged

Cat. No. CCL2-63H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CCL2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques, 10.9 kDa (97 aa).
Species	Human
Source	E.coli
Description	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). CCL2 recruits monocytes, memory T cells, and dendritic cells to sites of tissue injury and infection. It has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis and atherosclerosis. It binds to chemokine receptors CCR2 and CCR4.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MQPDAINAPV TCCYNFTNRK ISVQRLASYR RITSSKCPKE AVIFKTIVAK EICADPKQKW VQDSMDHLDK QTQTPKT
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT 20% glycerol
Purity	> 95 % by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

CCL2 chemokine (C-C motif) ligand 2 [Homo sapiens]

Synonyms

GDCF-2; HC11; HSMCR30; MCAF; MCP-1; MCP1; MGC9434; SCYA2; SMC-CF; Monocyte chemoattractant protein 1; Monocyte chemotactic and activating factor; Monocyte chemotactic protein 1; Monocyte secretory protein JE; Small-inducible cytokine A2; chemokine (C-C motif) ligand 2; monocyte chemoattractant protein-1; small inducible cytokine A2; small inducible cytokine A2 (monocyte chemotactic protein1, homologous to mouse Sig-je); small inducible cytokine subfamily A (Cys-Cys), member 2; CCL2; C-C motif chemokine 2

Gene ID

6347

mRNA Refseq

NM_002982

Protein Refseq

NP_002973

MIM

158105

UniProt ID

P13500

Chromosome Location

17q11.2-q12

Pathway

Cytokine-cytokine receptor interaction

Function

CCR2 chemokine receptor binding; G-protein-coupled receptor binding; chemokine

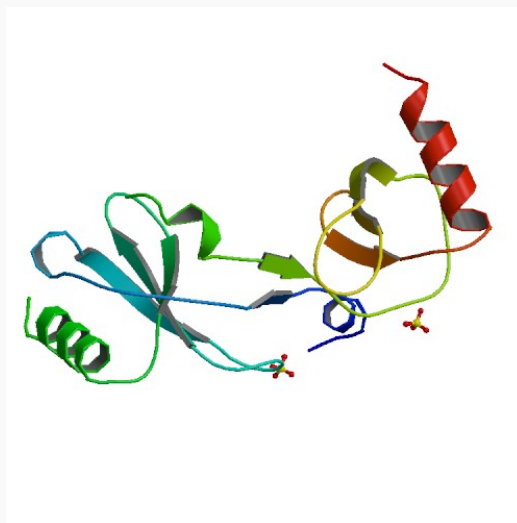
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activity; protein kinase activity;signal transducer activity

PDBrendering based
on 1dok. Available
structures:1dok,1dol,1d



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