9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MCP 1 Human, His

Monocyte Chemotactic Protein-1 Human Recombinant (CCL2), His Tag
CHK0098

Product Overview

Name	MCP 1 Human, His

Description

Monocyte Chemotactic Protein-1 Human Recombinant (CCL2), His Tag

Accession (Primary)	P13500

Synonyms

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.

Introduction

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless clear solution.

Formulation

The His Tag MCP-1 protein (1mg/ml) solution contains 20mM Tris-HCL pH-8.0, 1mM DTT and 20% glycerol.

Stability

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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

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MGSSHHHHHH SSGLVPRGSH MQPDAINAPV TCCYNFTNRK ISVQRLASYR RITSSKCPKE AVIFKTIVAK EICADPKQKW VQDSMDHLDK QTQTPKT.

Precautions

MCP 1 Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P13500)