9051 Mira Mesa Blvd, #910094
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MCP 3 Human

Monocyte Chemotactic Protein-3 Human Recombinant (CCL7)
CHK0105

Product Overview

Name	MCP 3 Human
Description	
Monocyte Chemotactic Protein-3 Human Recombinant (CCL7)	
Accession (Primary)	P80098
Synonyms	
Small inducible cytokine A7, CCL7, Monocyte chemotactic protein 3, MCP-3, Monocyte chemoattractant protein 3, NC28, chemokine (C-C motif) ligand 7, FIC, MARC, MCP3, SCYA6, SCYA7, MGC138463, MGC138465.	
Introduction	
Chemokine (C-C motif) ligand 7 (CCL7) is a small cytokine known as a chemokine that was previously called monocyte-specific chemokine 3 (MCP3). Due to CCL7 possessing two adjacent N-terminal cysteine residues in its mature protein, it is classified among the subfamily of chemokines known as CC chemokines. CCL7 specifically attracts monocytes, and regulates macrophage function. It is produced by certain tumor cell lines and by macrophages. This chemokine is located on chromosome 17 in humans, in a large cluster containing many other CC chemokines and is most closely related to CCL2(previously called MCP1).	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The protein was lyophilized from a concentrated (1mg/ml) sterile solution containing no additives.	
Stability	
Lyophilized MCP-3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL7 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
The sequence of the first five N-terminal amino acids was determined and was found to be Gln-Pro-Val-Gly-Ile.	

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Biological Activity

The specific activity as determined by the ability of MCP-3 to chemoattract human peripheral blood at 8 - 80ng/ml corresponding to a Specific Activity of 12,500-125,000IU/mg.

Solubility

It is recommended to reconstitute the lyophilized Monocyte Chemotactic Protein-3in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

MCP 3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P80098)