

Human MCP 3 Recombinant Protein



RPPB1194

Product Information Protein Information

Product SKU:

RPPB1194

Accession:

P80098

Host:

Escherichia Coli.

Protein description:

Monocyte Chemotactic Protein-3 Human Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 76 amino acids and having a molecular mass of 9011 Dalton. The MCP-3 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

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.

Formulation:

The protein was lyophilized from a concentrated (1mg/ml) sterile solution containing no additives.

Purity:

Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

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

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.

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.

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.