CCL7
Recombinant Human Monocyte Chemotactic Protein-3/CCL7

Catalog No.	CRM002A	**Quantity:**	2 µg
	CRM002B		10 µg
	CRM002C		1.0 mg

Alternate Names: FIC, MARC, MCP-3, MCP3, NC28, SCYA6, SCYA7, monocyte chemoattractant protein 3, monocyte chemotactic protein 3, small inducible cytokine A7 (monocyte chemotactic protein 3)

Description: Recombinant human MCP-3 is a single, non-glycosylated polypeptide chain containing 76 amino acids.
Background: 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.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Gene ID: 6354

Source: *E. coli*

Molecular Weight: ~9.0 kDa

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4 + 150mM NaCl.

Purity: >97% by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1EU/µg of rHuMCP-3/CCL7 as determined by LAL method.

Biological Activity: Fully biologically active when compared to standard. The ED_{50} determined by a chemotaxis bioassay using human monocytes is in a concentration range of 10-100 ng/ml.

Amino Acid Sequence: QPVGINTSTT CCYRFINKKI PKQRLESYRR TTSSHCPREA VIFKTKLDKE ICADPTQKWV QDFMKHLDKK TQTPKL

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: Stable at 2-8°C, but best kept desiccated -20°C. Upon reconstitution, stable for up to 1 week at 2-8°C. For longer term, store in working aliquots below -20°C. **Avoid repeated freeze/thaw cycles.**

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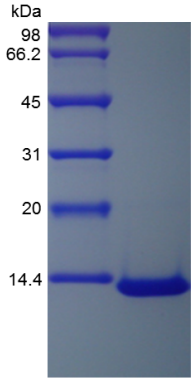
SDS-PAGE



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