

Recombinant Human Monocyte Chemotactic Protein-3/CCL7 (Human MCP-3/CCL7)

Product Information

Product Name	Cat#	Size
Recombinant Human Monocyte Chemotactic Protein-3/CCL7 (Human MCP-3/CCL7)	90955ES10	10 µg
	90955ES60	100 µg
	90955ES76	500 µg

Product Description

The MCP proteins are members of the CC chemokine family that signal through CCR2 and, with the exception of MCP-1, other CCR receptors. The MCP proteins chemoattract and activate monocytes, activated T cells, basophils, NK cells, and immature dendritic cells. The MCP family cross-reacts across species. Recombinant Human MCP-3 is a 9.0 kDa protein containing 76 amino acid residues including the four highly conserved cysteine residues present in the CC chemokines.

Product Properties

Synonyms	NC28, Small-inducible cytokine A7
Accession	P80098
GeneID	6354
Source	E.coli-derived Human CCL7 protein, Gln24-Leu99.
Molecular Weight	Approximately 9.0 kDa
AA Sequence	QPVGINSTTT CCYRFINKKI PKQRLESYRR TTSSHCPREA VIFKTKLDKE ICADPTQKWV QDFMKHLDKK TQTPKL
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 97% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human monocytes is in a concentration range of 10-100 ng/mL.
Endotoxin	< 1 EU/µg of protein as determined by LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.

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2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.