

Recombinant Rat Monocyte Chemoattractant Protein 3/CCL7 (Rat MCP-3/CCL7)

Product Information

Product Name	Cat#	Size
	91000ES10	10 µg
Recombinant Rat Monocyte Chemoattractant Protein 3/CCL7 (Rat MCP-3/CCL7)	91000ES60	100 µg
	91000ES76	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 Murine MCP-3 is an 8.5 kDa protein containing 74 amino acid residues including the four highly conserved cysteine residues present in the CC chemokines.

Product Properties

Synonyms	Protein FIC, Small-inducible Cytokine A7, Intercrine/chemokine MARC
Accession	Q9QXY8
GeneID	287561
Source	E.coli-derived Rat CCL7 protein, Gln24-Pro97.
Molecular Weight	Approximately 8.5 kDa
AA Sequence	QPDGTSNSTC CYVKKQKIPK RNLKSYRKIT SSRCPWEAVI FKTKKGMEVC AEAHQKWVEE AIAYLDMKTS TPKP
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 95% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The biological activity 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 2 × PBS, pH 7.4. 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.