

## Recombinant Mouse Monocyte Chemotactic Protein-2/CCL8 (Mouse MCP-2/CCL8)

### Product Information

Product Name	Cat#	Size
	90982ES08	5 µg
Recombinant Mouse Monocyte Chemotactic Protein-2/CCL8 (Mouse MCP-2/CCL8)	90982ES60	100 µg
	90982ES76	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-2 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

<b>Synonyms</b>	Small-inducible Cytokine A8
<b>Accession</b>	Q9Z121
<b>GeneID</b>	20307
<b>Source</b>	E.coli-derived Mouse MCP-2 protein, Gly24-Pro97.
<b>Molecular Weight</b>	Approximately 8.5 kDa.
<b>AA Sequence</b>	GPDKAPVTCC FHV LK LK IPL RVLKSYERIN NIQCPMEAVV FQTKQGMSLC VDPTQKQWVSE YMEILDQKSQ ILQP
<b>Tag</b>	None
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Purity</b>	> 97% by SDS-PAGE and HPLC analyses.
<b>Biological Activity</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood monocytes is in a concentration range of 10-100 ng/mL.
<b>Endotoxin</b>	<1 EU/µg of protein as determined by LAL method.
<b>Formulation</b>	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.
<b>Reconstitution</b>	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.