

## Recombinant Murine Chymase 1, Mast cell

**Cat. No.** Cma1-101M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Murine MCP-5 produced in <i>E.coli</i> is a peptide of 9.2 kDa that consists of 82 amino acid residues.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	Murine macrophage / monocyte chemotactic protein-5 (MCP-5) is a member of the b-chemokine family (C-C) of cytokines. This chemokine is strongly chemotactic for human monocytes and murine peritoneal macrophages, but is not active on mouse neutrophils and shows only a weak response on mouse eosinophils at high concentrations.
<b>Form</b>	Lyophilized.
<b>Biologically Activity</b>	The biological activity of murine MCP-5 was determined by a chemotaxis assay using human peripheral blood monocytes. Significant chemotaxis was achieved using a concentration of 50 ng/ml.
<b>Purity</b>	> 99% (SDS-PAGE; HPLC).
<b>Stabilizer</b>	None.
<b>Endotoxin Level</b>	< 0.1 ng/g of MCP-5.

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**Reconstitution** The lyophilized murine MCP-5 is soluble in water and most aqueous buffers. The lyophilized protein can be reconstituted in water to a concentration of 1.0 mg/ml. This solution can be diluted into other buffered solutions or stored at - 20°C for future use.

**Stability** The lyophilized murine MCP-5, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted murine MCP-5 should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.

## GENE INFORMATION

**Gene Name** [Cma1 chymase 1, mast cell \[ Mus musculus \]](#)

**Synonyms** Cma1; chymase 1, mast cell; Mcp-5; Mcpt5; MMCP-5; mast cell protease 5; EC 3.4.21.39

**Gene ID** [17228](#)

**mRNA Refseq** [NM\\_010780](#)

**Protein Refseq** [NP\\_034910](#)

**UniProt ID** [P21844](#)

**Chromosome Location** 20.0 cM

**Pathway** Renin-angiotensin system

**Function** hydrolase activity; peptidase activity; serine-type endopeptidase activity; serine-type peptidase activity

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