

Active Recombinant Mouse Ccl12 Protein (82 aa)

Cat. No. Ccl12-224C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse MCP-5/CCL1 produced in CHO cells is a polypeptide chain containing 82 amino acids. A fully biologically active molecule, rmMCP-5/CCL12 has a molecular mass of 11 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Species	Mouse
Source	CHO
ProteinLength	82
Description	Monocyte Chemotactic Protein-5(MCP-5), also known as Chemokine (C-C motif) ligand 12(CCL12), is a small cytokine belonging to the CC chemokine family that has been characterized in mice. Due to its similarity with human chemokine MCP-1, sometimes it is called MCP-1-related chemokine. MCP-5 specifically attracts eosinophils, monocytes and lymphocytes.It can signal through the CCR2 receptor.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	The EC50 value of mouse MCP-5/CCL12 on Ca ²⁺ mobilization assay in CHO-K1/Gα15/mCCR2 cells (human Gα15 and mouse CCR2 stably expressed in CHO-K1 cells) is less than 0.5 µg/mL.
Molecular Mass	9.3-11 kDa, observed by reducing SDS-PAGE.

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AA Sequence	GPDAVSTPVTCCYNVVKQKIHVRKLKSYRRITSSQCPREAVIFRTILDKEICADPKEK WVKNSINHLDKTSQTFILEPSCLG
Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 98% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant Mouse MCP-5/CCL12 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Mouse MCP-5/CCL12 should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name	Ccl12 chemokine (C-C motif) ligand 12 [<i>Mus musculus</i>]
Official Symbol	Ccl12
Synonyms	CCL12; chemokine (C-C motif) ligand 12; C-C motif chemokine 12; MCP-1-related chemokine; small inducible cytokine A12; small-inducible cytokine A12; monocyte chemotactic protein 5; monocyte chemoattractant protein 5; MCP-5; Scya12;
Gene ID	20293
mRNA Refseq	NM_011331
Protein Refseq	NP_035461

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UniProt ID

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