

Active Recombinant Mouse Ccl2 Protein

Cat. No. Ccl2-130M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse chemokine (C-C motif) ligand 2 (Ccl2) without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
Description	This gene is one of several cytokine genes clustered on chromosome 11. Chemokines are a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of N-terminal cysteine residues of the mature peptide. This chemokine is a member of the CC subfamily which is characterized by two adjacent cysteine residues. This cytokine displays chemotactic activity for monocytes and memory T cells but not for neutrophils. The human ortholog has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, such as psoriasis, rheumatoid arthritis, and atherosclerosis.
Bio-activity	Determined by its ability to chemoattract Balb/C mouse spleen MNCs using a concentration range of 1.0-20.0 ng/ml.
Molecular Mass	13.8 kDa
AA Sequence	QPDVNAPLTCCYSFTSKMIPMSRLESYKRITSSRCPKEAVVFVTKLKREVCADPKK EWVQTYIKNLDNRNQMRSEPTTLFKTASALRSSAPLNVKLTRKSEANASTTFSTTTSS TSVGVTSVTVN

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Endotoxin	Endotoxin level is < 0.1 ng/g of protein (< 1 EU/g)
Purity	>95%, as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
Storage	Store at -80 centigrade.
Storage Buffer	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Reconstitution	Resuspend the protein in the desired concentration in proper buffer.

GENE INFORMATION

Gene Name	Ccl2 chemokine (C-C motif) ligand 2 [Mus musculus (house mouse)]
Official Symbol	Ccl2
Synonyms	Ccl2; chemokine (C-C motif) ligand 2; JE; HC11; MCAF; MCP1; MCP-1; Scya2; Sigje; SMC-CF; AI323594; C-C motif chemokine 2; monocyte chemoattractant protein 1; monocyte chemotactic protein 1; platelet-derived growth factor-inducible protein JE; small-inducible cytokine A2
Gene ID	20296
mRNA Refseq	NM_011333
Protein Refseq	NP_035463

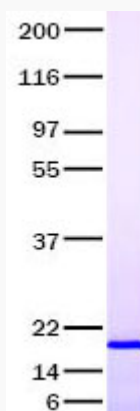
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UniProt ID

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