

Active Recombinant Mouse Ccl2 Protein

Cat. No. Ccl2-2030M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse chemokine (C-C motif) ligand 2 (Ccl2 / MCP-1) without tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Gln24-Arg96
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	The ED50 is 8 -15 ng/mL, corresponding to a specific activity of 0.6 - 1.25 x 10 ⁵ units/mg, determined by the dose dependent chemoattraction of THP-1 cells.
Molecular Mass	8.5 kDa
Endotoxin	Less than 0.01 ng/μg protein as determined by the LAL method

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Purity	> 98%, as determined by Coomassie stained SDS-PAGE.
Stability	Unopened vial can be stored between 2 and 8 centigrade for up to 2 weeks, at -20 centigrade for up to 6 months, or at -70 centigrade or below until the expiration date. Aliquots can be stored between 2 and 8 centigrade for up to one week and stored at -20 centigrade or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
Storage	Store at -80 centigrade.
Concentration	Protein formulated and vialled at >50 µg/mL in specified buffer
Storage Buffer	1 x PBS

GENE INFORMATION

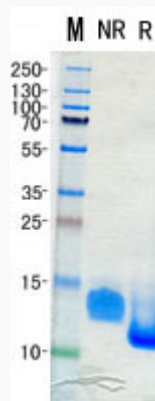
Gene Name	Ccl2 chemokine (C-C motif) ligand 2 [Mus musculus (house mouse)]
Official Symbol	Ccl2
Synonyms	Ccl2; chemokine (C-C motif) ligand 2; JE; MCA; MCP; Scy; Sig; HC11; MCAF; MCP-; MCP1; MCP-1; SMC-C; Scya2; Sigje; SMC-CF; AI323594; C-C motif chemokine 2; monocyte chemoattractant protein 1; monocyte 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
UniProt ID	P10148

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SDS-PAGE



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