

Recombinant Mouse Ccl9 protein

Cat. No. Ccl9-619M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ccl9 protein was expressed in Escherichia coli.
Species	Mouse
Source	E.coli
ProteinLength	101
Description	Murine CCL9/10 is belonging to the CC chemokine family. It is encoded by the gene CCL9. MRP-2 (CCL9/10) was isolated from a murine macrophage cell line, RAW 264.7. MRP-2 shows a 51 % sequence identity at the protein level to MRP-1 (C10) and 46% identity to MIP-1-alpha (CCL3). The functional receptor for CCL9/10 has been identified as CCR1. In contrast, other CCR1 ligands, CCL3/MIP-1alpha and CCL5/RANTES are considered to be primary CCR1 ligands in inflammatory responses. CCL9 can activate osteoclasts suggesting an important role for it in bone resorption. Murine CCL9/10 is 75 % amino acid identical to rat CCL9/10.
Form	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human neutrophils is in a concentration range of 0.1-10 ng/ml.
Molecular Mass	Approximately 11.6 kDa, a single non-glycosylated polypeptide chain containing 101 amino acids.

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AA Sequence	QITHATETKEVQSSLKAQQGLEIEMFHMGMFQDSSDCCLSYNSRIQCSRFIGYFPTSG GCTRPGIIFISKRGFQVCANPSDRRVQRCIERLEQNSQPRTYKQ
Endotoxin	Less than 1 EU/μg of rMuMIP-1γ/CCL9/CCL10 as determined by LAL method.
Purity	>95% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	Ccl9
Official Symbol	Ccl9
Synonyms	CCL9; chemokine (C-C motif) ligand 9; C-C motif chemokine 9; MIP-1 gamma; small inducible cytokine A9; small inducible cytokine A10; macrophage inflammatory protein 1-gamma; macrophage inflammatory protein-related protein 2; CCF18; MRP-2; Scya9; Scya10;
Gene ID	20308

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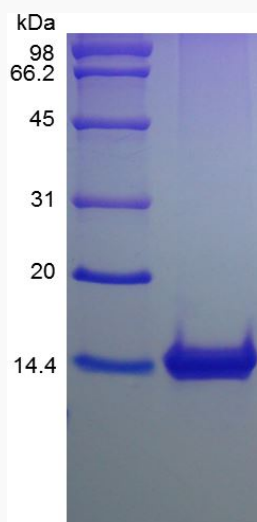
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mRNA Refseq NM_011338

Protein Refseq NP_035468

UniProt ID P51670

SDS-PAGE of Ccl9-
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