

Active Recombinant Mouse Ccl9 Protein

Cat. No. Ccl9-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ccl9 Protein without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	101 amino acids
Description	Predicted to enable CCR1 chemokine receptor binding activity; chemoattractant activity; and chemokine activity. Acts upstream of or within negative regulation of myoblast differentiation. Predicted to be located in extracellular region. Predicted to be active in extracellular space. Is expressed in several structures, including alimentary system; brain; eye; genitourinary system; and limb. Orthologous to several human genes including CCL23 (C-C motif chemokine ligand 23).
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	Measured by its ability to chemoattract human CCR1 transfected BaF3 mouse proB cells. The ED50 for this effect is typically 0.002-0.01 µg/mL.
Molecular Mass	Approximately 11.5 kDa, a single non-glycosylated polypeptide chain containing 101 amino acids.
AA Sequence	QITHATETKEVQSSLKAQQGLEIEMFHMGFQDSSDCCLSYNSRIQCSRFIGYFPTSG GCTRPGIIFISKRGFQVCANPSDRRVQRCIERLEQNSQPRTYKQ

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Endotoxin	Less than 1 EU/μg of rMuCCL9/10 as determined by LAL method.
Purity	>95% by SDS-PAGE and HPLC analyses.
Storage	This lyophilized preparation is stable at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 or -70 centigrade. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH 7.4.
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 chemokine (C-C motif) ligand 9 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Ccl9
Synonyms	Ccl9; chemokine (C-C motif) ligand 9; CCF18; MRP-2; Scya9; Scya10; C-C motif chemokine 9; MIP-1 gamma; macrophage inflammatory protein 1-gamma; macrophage inflammatory protein-related protein 2; small inducible cytokine A10; small inducible cytokine A9
Gene ID	20308

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mRNA Refseq	NM_011338
Protein Refseq	NP_035468
UniProt ID	P51670

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