

## Active Recombinant Mouse Ccl9 Protein

**Cat. No.** Ccl9-2044M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of Mouse chemokine (C-C motif) ligand 9 (Ccl9 / MIP-1gamma) without tag was expressed in E. coli.                                                                                                                                                                     |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | Gln22-Gln122                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | Monokine with inflammatory, pyrogenic and chemokinetic properties. Circulates at high concentrations in the blood of healthy animals. Binding to a high-affinity receptor activates calcium release in neutrophils. It also inhibits colony formation of bone marrow myeloid immature progenitors. |
| <b>Bio-activity</b>     | Bioactivity was measured by its property to chemoattract human THP-1 cells in a dose dependent manner.                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 11.5 kDa                                                                                                                                                                                                                                                                                           |
| <b>Endotoxin</b>        | Less than 0.01 ng/μg protein as determined by the LAL method                                                                                                                                                                                                                                       |
| <b>Purity</b>           | > 98%, as determined by Coomassie stained SDS-PAGE.                                                                                                                                                                                                                                                |
| <b>Stability</b>        | 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.                                                                                                                           |

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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.

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| <b>Storage</b>        | Store at -80 centigrade.                                        |
| <b>Concentration</b>  | Protein formulated and vialled at >50 µg/mL in specified buffer |
| <b>Storage Buffer</b> | 1 x PBS                                                         |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Ccl9 chemokine (C-C motif) ligand 9 [ Mus musculus (house mouse) ]                                                                                                                                                                                                           |
| <b>Official Symbol</b> | Ccl9                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>        | Ccl9; chemokine (C-C motif) ligand 9; MRP; Scy; Scya; 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 |
| <b>Gene ID</b>         | 20308                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>     | NM_011338                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>  | NP_035468                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>      | P51670                                                                                                                                                                                                                                                                       |

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