

## Active Recombinant Mouse Cxcl9 Protein (Thr22-Thr126), N-His tagged, Animal-free, Carrier-free

**Cat. No.** Cxcl9-69M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Recombinant Mouse Cxcl9 Protein (Thr22-Thr126) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Thr22-Thr126                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | C-X-C motif chemokine 9 (CXCL9) also named monokine induced by gamma interferon (MIG), which is a chemokine of the intercrine alpha family. CXCL9 is a 11.7 kDa protein containing 105 amino acid residues. CXCL9 controls the immune cells by binding the CXCR3 which is including the cell migration and activation. During inflammation, CXCL9 is a chemotaxis for lymphocyte and macrophages. CXCL9 is participated in the process of tumor proliferation and metastasis. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Bio-activity</b>     | Measure by its ability to chemoattract BaF3 cells transfected with mouse CXCR3. The ED50 for this effect is < 0.3 µg/mL.                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 13.00 kDa.<br>The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).                                                                                                                                                                                                                                                                                                                                              |

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|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>      | < 0.1 EU/μg of the protein by the LAL method.                                                                                                                                                                                                                    |
| <b>Purity</b>         | >98% as determined by SDS-PAGE analysis.                                                                                                                                                                                                                         |
| <b>Storage</b>        | <p>This product is stable after storage at:</p> <p>-20 centigrade for 12 months in lyophilized state from date of receipt.</p> <p>-20 or -80 centigrade for 1 month under sterile conditions after reconstitution.</p> <p>Avoid repeated freeze/thaw cycles.</p> |
| <b>Storage Buffer</b> | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.                                                                                                                                                                                                      |
| <b>Reconstitution</b> | It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.                                          |
| <b>Shipping</b>       | The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.                                                                                                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Cxcl9 chemokine (C-X-C motif) ligand 9 [ <i>Mus musculus</i> (house mouse) ]                                                                                                                                                                                                                                                                                               |
| <b>Official Symbol</b> | Cxcl9                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>        | CXCL9; chemokine (C-X-C motif) ligand 9; C-X-C motif chemokine 9; M119; protein m119; small-inducible cytokine B9; gamma interferon-induced monokine; gamma-interferon-induced monokine; monokine induced by gamma interferon; monokine induced by interferon-gamma; small inducible cytokine B subfamily (Cys-X-Cys), member 9; CMK; Mig; MuMIG; Scyb9; crg-10; BB139920; |
| <b>Gene ID</b>         | 17329                                                                                                                                                                                                                                                                                                                                                                      |

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|----------------|-----------|
| mRNA Refseq    | NM_008599 |
| Protein Refseq | NP_032625 |
| UniProt ID     | P18340    |

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