

# Active Recombinant Bovine CXCL9 protein

**Cat. No.** CXCL9-849B    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Bovine CXCL9 protein(A9QWP9)(22-125 aa) was expressed in E.coli.                                                                                                    |
| <b>Species</b>          | Bovine                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 22-125 aa                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.0, 500 mM NaCl.                                                                                             |
| <b>Bio-activity</b>     | Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human lymphocytes is in a concentration range of 0.1-1.0 ng/ml. |
| <b>Molecular Mass</b>   | Approximately 11.9 kDa, a single non-glycosylated polypeptide chain containing 104 amino acids. But it migrates with an apparent molecular mass of 18 kDa in SDS-PAGE.                 |
| <b>AASequence</b>       | VPAIRNGRCS CINTSQGMIH PKSLKDLKQF APSPSCEKTE IIATMKNGNE<br>ACLNPDLPEV KELIKEWEKQ VNQKKKQRKG KKYKKTKKVP KVKRSQRPSQ KKTT                                                                  |
| <b>Endotoxin</b>        | Less than 0.1 EU/µg of rBoMIG/CXCL9 as determined by LAL method.                                                                                                                       |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | >96% by SDS-PAGE and HPLC analyses.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>        | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.                                                                                                             |
| <b>Reconstitution</b> | 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 $\leq -20$ °C. Further dilutions should be made in appropriate buffered solutions. |

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