

## Recombinant Human X-C motif chemokine ligand 9 Protein, Tag Free

**Cat. No.** CXCL9-167H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Recombinant human CXCL9 protein (Q07325) (Thr 23-Thr 125) without tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 23-125aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | This antimicrobial gene is part of a chemokine superfamily that encodes secreted proteins involved in immunoregulatory and inflammatory processes. The protein encoded is thought to be involved in T cell trafficking. The encoded protein binds to C-X-C motif chemokine 3 and is a chemoattractant for lymphocytes but not for neutrophils. Cytokine that affects the growth, movement, or activation state of cells that participate in immune and inflammatory response. Chemotactic for activated T-cells. Binds to CXCR3. |
| <b>Tag</b>              | Non                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 12.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Endotoxin</b>        | Less than 1.0 EU/μg by the LAL method.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | >95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.                                                                         |
| <b>Storage Buffer</b>   | Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.                                                                                                                                                                                                                 |
| <b>Reconstitution</b>   | Reconstitute at 250 µg/mL in sterile water.                                                                                                                                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                       |
| <b>Gene Name</b>        | CXCL9 C-X-C motif chemokine ligand 9 [ Homo sapiens (human) ]                                                                                                                                                                                                                                         |
| <b>Official Symbol</b>  | CXCL9                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>         | CXCL9; chemokine (C-X-C motif) ligand 9; CMK, MIG, monokine induced by gamma interferon; C-X-C motif chemokine 9; crg 10; Humig; SCYB9; small-inducible cytokine B9; gamma-interferon-induced monokine; monokine induced by gamma interferon; monokine induced by interferon-gamma; CMK; MIG; crg-10; |
| <b>Gene ID</b>          | 4283                                                                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>      | NM_002416                                                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>   | NP_002407                                                                                                                                                                                                                                                                                             |
| <b>MIM</b>              | 601704                                                                                                                                                                                                                                                                                                |
| <b>UniProt ID</b>       | Q07325                                                                                                                                                                                                                                                                                                |

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