

Recombinant Human chemokine (C-X-C motif) ligand 9, His-tagged

Cat. No. CXCL9-210H **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | CXCL9, 23-125aa, Human, His tag, E.coli |
| Species | Human |
| Source | E.coli |
| ProteinLength | 23-125 a.a. |
| Description | <p>CXCL9 is a small cytokine belonging to the CXC chemokine family that is also known as monokine induced by gamma interferon. It is closely related to two other CXC chemokines called CXCL10 and CXCL11, whose genes are located near the gene for CXCL9 on human chromosome 4. CXCL9, CXCL10 and CXCL11 all elicit their chemotactic functions by interacting with the chemokine receptor CXCR3.</p> <p>Recombinant human CXCL9 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.</p> |
| Form | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol. |
| Molecular Mass | 14 kDa (126aa), confirmed by MALDI-TOF |
| AA Sequence | <p>MGSSHHHHHH SSGLVPRGSH MGSTPVVRKG RCSCISTNQG TIHLQSLKDL KQFAPSPSCE KIEIIATLKN GVQTCLNPDS ADVKELIKKW EKQVSQKKKQ KNGKKHQKKK VLKVRKSQRS RQKKTT</p> |

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| | |
|----------------------------|---|
| Purity | >85% by SDS - PAGE |
| Storage | Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles. |
| Concentration | 0.25 mg/ml (determined by BCA assay) |
| GENE INFORMATION | |
| Gene Name | CXCL9 chemokine (C-X-C motif) ligand 9 [Homo sapiens] |
| Official Symbol | CXCL9 |
| Synonyms | 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; |
| Gene ID | 4283 |
| mRNA Refseq | NM_002416 |
| Protein Refseq | NP_002407 |
| MIM | 601704 |
| UniProt ID | Q07325 |
| Chromosome Location | 4q21 |
| Pathway | CXCR3-mediated signaling events, organism-specific biosystem; Chemokine |

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receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;

Function

chemokine activity; cytokine activity;

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