

## CXCR3 recombinant protein

Recombinant Human CXCR3 protein

CATALOG #  
**AAA119948**

HOST  
**E Coli**

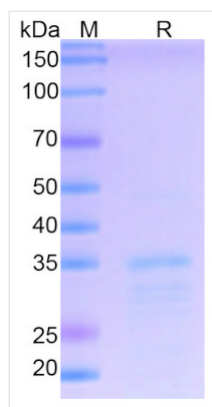
### PRODUCT SYNONYMS

CXCR3; Recombinant Human CXCR3 protein; C-X-C chemokine receptor type 3; CXCR-R3; CXCR-3; CKR-L2; G protein-coupled receptor 9; Interferon-inducible protein 10 receptor; IP-10 receptor; CD183; CXCR3 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli                                                                                                                                                                         |
| Purity/Purification     | >90% as determined by SDS-PAGE                                                                                                                                                 |
| Form/Format             | Lyophilized. Lyophilized from PBS pH 7.5, 0.2% NLS, 4% Trehalose, 1% Mannitol, 1mM EDTA.                                                                                       |
| Species                 | Homo sapiens (Human)                                                                                                                                                           |
| Protein Construction    | A DNA sequence encoding the human CXCR3 (Met1-Arg53) was fused with GST tag                                                                                                    |
| Reconstitution          | Reconstitute in sterile water for a stock solution.                                                                                                                            |
| Preparation and Storage | Use a manual defrost freezer and avoid repeated freeze thaw cycles.<br>Store at 2 to 8 °C for one week .<br>Store at -20 to -80 °C for twelve months from the date of receipt. |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

#### Related Product Information for CXCR3 recombinant protein

Isoform 1: Receptor for the C-X-C chemokine CXCL9, CXCL10 and CXCL11 and mediates the proliferation, survival and angiogenic activity of human mesangial cells (HMC) through a heterotrimeric G-protein signaling pathway. Binds to CCL21. Probably promotes cell chemotaxis response. Isoform 2: Receptor for the C-X-C chemokine CXCL4 and also mediates the inhibitory activities of CXCL9, CXCL10 and CXCL11 on the proliferation, survival and angiogenic activity of human microvascular endothelial cells (HMVEC) through a cAMP-mediated signaling pathway. Does not promote cell chemotaxis respons. Interaction with CXCL4 or CXCL10 leads to activation of the p38MAPK pathway and contributes to inhibition of angiogenesis. Overexpression in renal cancer cells down-regulates expression of the anti-apoptotic protein HMOX1 and promotes apoptosis. Isoform 3: Mediates the activity of CXCL11.

Product Categories/Family for CXCR3 recombinant protein

Protein

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 218563730                                                                                                                                                                                          |
| NCBI GeneID                      | 2833                                                                                                                                                                                               |
| NCBI Accession #                 | NP_001136269.1                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_001142797.1                                                                                                                                                                                     |
| UniProt Accession #              | P49682; O15185; Q7Z710; Q9P2T4; Q9P2T5; B2R982                                                                                                                                                     |
| Molecular Weight                 | Predicted Molecular Mass: 32.72kDa                                                                                                                                                                 |
| NCBI Official Full Name          | C-X-C chemokine receptor type 3 isoform 2                                                                                                                                                          |
| NCBI Official Synonym Full Names | chemokine (C-X-C motif) receptor 3                                                                                                                                                                 |
| NCBI Official Symbol             | CXCR3                                                                                                                                                                                              |
| NCBI Official Synonym Symbols    | GPR9; MigR; CD182; CD183; Mig-R; CKR-L2; CMKAR3; IP10-R                                                                                                                                            |
| NCBI Protein Information         | C-X-C chemokine receptor type 3; CXC-R3; CXCR-3; Mig receptor; IP10 receptor; IP-10 receptor; G protein-coupled receptor 9; chemokine (C-X-C) receptor 3; interferon-inducible protein 10 receptor |
| UniProt Protein Name             | C-X-C chemokine receptor type 3                                                                                                                                                                    |
| UniProt Gene Name                | <b>CXCR3</b>                                                                                                                                                                                       |
| UniProt Synonym Gene Names       | GPR9; CXC-R3; CXCR-3                                                                                                                                                                               |
| UniProt Entry Name               | CXCR3_HUMAN                                                                                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/cxcr3-recombinant-protein-e-coli/119948>