

Recombinant Human CXCR3 protein, GST-tagged

Cat. No. CXCR3-16H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CXCR3(1 a.a. - 368 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-368 a.a.
Description	This gene encodes a G protein-coupled receptor with selectivity for three chemokines, termed CXCL9/Mig (monokine induced by interferon-g), CXCL10/IP10 (interferon-g-inducible 10 kDa protein) and CXCL11/I-TAC (interferon-inducible T cell a-chemoattractant). Binding of chemokines to this protein induces cellular responses that are involved in leukocyte traffic, most notably integrin activation, cytoskeletal changes and chemotactic migration. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. One of the isoforms (CXCR3-B) shows high affinity binding to chemokine, CXCL4/PF4 (PMID:12782716).
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	67.1 kDa
AA Sequence	MVLEVSDHQVLNDAEVAALLENFSSSYDYGENESDSCCTSPPCPQDFSLNFDRAFL PALYSLLFLLGLLGNGAVAAVLLSRRTALSSTDTFLLHLAVADTLLVLTPLWAVDAAV QWVFGSGLCKVAGALFNINFYAGALLLACISFDRYLNIVHATQLYRRGPPARVTLTCL

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AVWGLCLLFALPDFIFLSAHHDERLNATHCQYNFPQVGR TALRVLQLVAGFLLPLL
 MAYCYAHILAVLLVSRGQRRLRAMRLVVVVVAFALCWTPYHLVVLVDILMDLGALA
 RNCGRESRVDVAKSVTSGLGYMHCCLNPLLYAFVGVKFRERMWMLLLRLGCPNQR
 GLQRQPSSSRDSSWSETSEASYSGL

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

CXCR3 chemokine (C-X-C motif) receptor 3 [Homo sapiens]

Official Symbol

CXCR3

Synonyms

CXCR3; chemokine (C-X-C motif) receptor 3; G protein coupled receptor 9 , GPR9;
 C-X-C chemokine receptor type 3; CD183; CKR L2; CMKAR3; IP10 R; MigR; 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; GPR9;
 CD182; Mig-R; CKR-L2; IP10-R;

Gene ID

2833

mRNA Refseq

NM_001504

Protein Refseq

NP_001495

MIM

300574

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UniProt ID	P49682
Chromosome Location	Xq13
Pathway	CXCR3-mediated signaling events, organism-specific biosystem; Chemokine 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	C-X-C chemokine receptor activity; G-protein coupled receptor activity; chemokine binding; chemokine receptor activity; receptor activity; signal transducer activity;
	