

Recombinant Human CXCR3, GST-tagged

Cat. No. CXCR3-28064TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CXCR3(121 a.a. - 220 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
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.
Molecular Mass	36.74 kDa
AA Sequence	SGLCKVAGALFNINFYAGALLACISFDLYLNIVHATQLYRRGPPARVTLTCLAVWGL CLLFALPDFIFLSAHHD ERLNATHCQYNFPQVGRTALRVLQL
Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.

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Storage Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

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

Gene ID 2833

mRNA Refseq NM_001142797

Protein Refseq NP_001136269

MIM 300574

UniProt ID P49682

Chromosome Location Xq13

Pathway Chemokine receptors bind chemokines; Chemokine signaling pathway; Cytokine-cytokine receptor interaction

Function C-X-C chemokine binding; C-X-C chemokine receptor activity; chemokine receptor activity

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