

# Recombinant Full Length Human CXCR3 Protein

**Cat. No.** CXCR3-718HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human CXCR3(1 a.a. - 368 a.a.)was expressed in Wheat Germ.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	368 amino acids
<b>Description</b>	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).
<b>Form</b>	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
<b>Molecular Mass</b>	40.7 kDa
<b>AA Sequence</b>	MVLEVSDHQV LNDAEVAALL ENFSSSYDYG ENESDSCCTS PPCPQDFSLN FDRAFLPALY SLLFLLGLLG NGAAVAVLLS RRTALSSTDT FLLHLAVADT LLVLTLPWA VDAAVQWVFG SGLCKVAGAL FNINFYAGAL LLACISFDYR

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LNIVHATQLY RRGPPARVTL TCLAVWGLCL LFALPDFIFL SAHDERLNA  
 THCQYNFPQV GRTALRVLQL VAGFLLPLL V MAYCYAHILA VLLVSRGQRR  
 LRAMRLVVVV VVAFALCWTP YHLVVLVDIL MDLGALARNC GRESRVDVAK  
 SVTSGLGYMH CCLNPLLYAF VGVKFRERMW MLLLRLGCPN QRGLQRQPSS  
 SRRDSSWSET SEASYSGL

**Applications** Antibody Production; Functional Study; Compound Screening

**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; CXCR3; 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

**UniProt ID** P49682

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