

## Recombinant Human CXCR4, His-tagged

Cat. No. CXCR4-503H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CXCR4 (AA 1-352) (full length) was expressed in Yeast.
<b>Species</b>	Human
<b>Source</b>	Yeast
<b>ProteinLength</b>	1-352 a.a.
<b>Description</b>	This gene encodes a CXC chemokine receptor specific for stromal cell-derived factor-1. The protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry into cells and is also highly expressed in breast cancer cells. Mutations in this gene have been associated with WHIM (warts, hypogammaglobulinemia, infections, and myelokathexis) syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	42.2 kD
<b>AA Sequence</b>	MSIPLPLLQIYTSNDNYTEEMGSGDYDSMKEPCFREENANF NKIFLPTIYSIIFLTGIVG NGLVILVMGYQKKLRSM TDKY RLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKA VHVYIY TVNLYSSVLILAFISLDRYLAI V HATNSQRPRKLLAEKVV YGVVWIPALLLTPD FIFANVSEADDRYICDRFYPNDLWV VVFQFQHIMVGLILPGIVILSCYCIISKLSHSGK HQKRK ALKTTVILILAFFACWLPYYIGISIDSFILLEI IKQGCEF ENTVHKWISITEALAF FHCCLNPILYAFLGAKFKTSAQHA LTSVSRGSSLKILSKGKRGGHSSVSTESESSSF

 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

	HSS
<b>Purity</b>	>90 %
<b>Characteristic</b>	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
<b>Applications</b>	ELISA
<b>Storage</b>	Store at -20°C. For extended storage, conserve at -20°C or -80°C
<b>Concentration</b>	0.2-2 mg/mL
<b>Storage Buffer</b>	Tris-based buffer, 50 % glycerol
<b>Warning</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week.
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	CXCR4 chemokine (C-X-C motif) receptor 4 [ Homo sapiens ]
<b>Official Symbol</b>	CXCR4
<b>Synonyms</b>	CXCR4; chemokine (C-X-C motif) receptor 4; chemokine (C X C motif), receptor 4 (fusin); C-X-C chemokine receptor type 4; CD184; D2S201E; fusin; HM89; HSY3RR; LESTR; NPY3R; NPYR; NPYY3R; CXC-R4; CXCR-4; CD184 antigen; SDF-1 receptor; neuropeptide Y receptor Y3; seven transmembrane helix receptor; stromal

 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

cell-derived factor 1 receptor; lipopolysaccharide-associated protein 3; seven-transmembrane-segment receptor, spleen; leukocyte-derived seven transmembrane domain receptor; leukocyte-derived seven-transmembrane-domain receptor; FB22; LAP3; LCR1; WHIM; NPYRL

**Gene ID** 7852

**mRNA Refseq** NM\_001008540

**Protein Refseq** NP\_001008540

**MIM** 162643

**UniProt ID** P61073

**Chromosome Location** 2q21

**Pathway** Axon guidance; Cardiac Progenitor Differentiation; Class A/1 (Rhodopsin-like receptors)

**Function** C-X-C chemokine receptor activity; G-protein coupled receptor activity; myosin light chain binding

 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