

Recombinant Human CXCR4, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CXCR4 (AA 1-352) (full length) was expressed in Yeast.
Species	Human
Source	Yeast
ProteinLength	1-352 a.a.
Description	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.
Form	Liquid
Molecular Mass	42.2 kD
AA Sequence	MSIPLPLLQIYTSDNYTEEMGSGDYDSMKEPCFREENANF NKIFLPTIYSIIFLTGIVG NGLVILVMGYQKKLRSM TD KY RLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKA VHVIY TVNLYSSVLILAFISLDRYLAIVHATNSQRPRKLLAEKV V YGVWIPALLLTIPD FIFANVSEADDRYICDRFYPNDLWV VVFQFQHIMVGLILPGIVILSCYCIISKLSHSGK HQKRK ALKTTVILILAFFACWLPYYIGISIDSFILLEIKQGCEF ENTVHKWISITEALAF FHCCLNPILYAFLGAKFKTSAQHA LTSVSRGSSLKILSKGKRGGHSSVSTESESSSF

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	HSS
Purity	>90 %
Characteristic	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.
Applications	ELISA
Storage	Store at -20°C. For extended storage, conserve at -20°C or -80°C
Concentration	0.2-2 mg/mL
Storage Buffer	Tris-based buffer, 50 % glycerol
Warning	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week.
Full Length	Full L.

GENE INFORMATION

Gene Name	CXCR4 chemokine (C-X-C motif) receptor 4 [Homo sapiens]
Official Symbol	CXCR4
Synonyms	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

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	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