

Recombinant Human CXCR4 Protein, His-tagged

Cat. No. CXCR4-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CXCR4 Protein, fused to His-tag, was expressed in Human cells.
Species	Human
Source	Human Cells
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	Supplied as a 0.2 µm filtered solution in PBS (pH 7.4)
AA Sequence	MSIPLPLLQIYTSNDNYTEEMGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFLTGIVGN GLVILVMGYQKKLRSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVH VIYTVNLYSSVLILAFISLDRYLAIHVATNSQRPRKLLAEKVYVGVWIPALLLTIPDFIF ANVSEADDRYICDRFYPNDLWVVVFQFQHIMVGLILPGIVILSCYCIISKLSHSGHKHQ KRAKALKTTVILILAFFACWLPYYIGISIDSFILLEIKQGCEFENTVHKWISITEALAFFHC CLNPILYAFLGAKFKTSAQHALTSVSRGSSSLKILSKGKRGGHSSVSTESESSSFHSSH HHHHHHHHHH
Endotoxin	unexamined

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Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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Concentration	1.0 mg/ml
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GENE INFORMATION

Gene Name	CXCR4 C-X-C motif chemokine receptor 4 [Homo sapiens (human)]
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Official Symbol	CXCR4
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Synonyms	FB22; HM89; LAP3; LCR1; NPYR; WHIM; CD184; LAP-3; LESTR; NPY3R; NPYRL; WHIMS; HSY3RR; NPY3R; WHIMS1; D2S201E
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Gene ID	7852
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mRNA Refseq	NM_003467.3
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Protein Refseq	NP_003458.1
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MIM	162643
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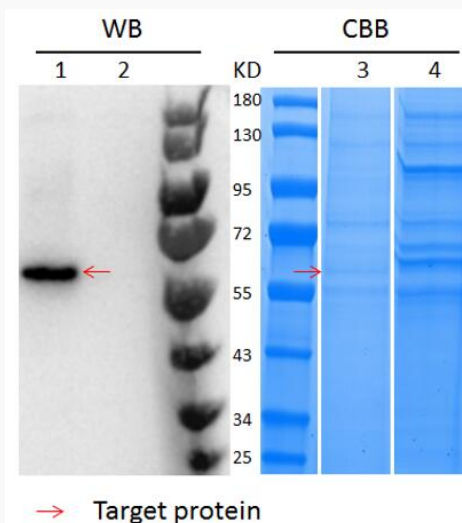
UniProt ID	P61073
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SDS-PAGE



SDS-PAGE analysis of purified human cxcr4, 5 ul/Line.

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