

## Active Recombinant Human CXCR4 protein

**Cat. No.** CXCR4-3046H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CXCR4 protein(Met 1-Ser 352) was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met 1-Ser 352
<b>Form</b>	The VLPs are highly immunogenic, so the immunization strategy should be optimized (antigen dose, regimen and adjuvant).Supplied as 0.2 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
<b>Bio-activity</b>	Immobilized Human CXCR4 Full Length Protein-VLP at 5 µg/mL (100 µL/well) can bind Human ulocuplumab, Human IgG4 with a linear range of 1-31 ng/mL.
<b>Molecular Mass</b>	Virus-like particles(VLPs) are formed by self-assembly of envelop/capsid proteins from viruses. Membrane Proteins can be constituted in-situ with VLPs produced from HEK293 cell cultures. These VLPs concentrate conformationally intact membrane proteins directly on the cell surface and produce soluble, high-concentration proteins perfect for immunization and antibody screening. The VLPs provide the display of properly folded membrane proteins in their native cellular membrane in a compact size of 100~300 nm diameter (similar to the size of most viruses) making it optimal targets for dendritic cells in vivo and surface attachment for phage display.
<b>Endotoxin</b>	Less than 1.0 EU per

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µg by the LAL method.

**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## 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 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

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<b>MIM</b>	162643
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<b>UniProt ID</b>	P61073
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