

Active Recombinant Human CXCR4 protein

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

SPECIFICATION

Product Overview	Recombinant Human CXCR4 protein(Met 1-Ser 352) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met 1-Ser 352
Form	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.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	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; CXCR4; 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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MIM	162643
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UniProt ID	P61073
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