

Product Information

MemDX™ Membrane Protein Human CXCR4 (C-X-C motif chemokine receptor 4) with GST-tag for Antibody Discovery

Cat. No.: **MP0280X**

This product is for research use only and is not intended for diagnostic use.

This product is a 64.46 kDa Human CXCR4 membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CXCR4

Protein Length

Full-length

Molecular Weight

64.46 kDa

TMD

7

Sequence

MEGISIYTS DNYTEEMGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFLTGIVGNGLVILVMGYQKKLRSM TDKYRLHLSVADLLFVIT

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

CXCR4

Full Name

C-X-C motif chemokine receptor 4

Introduction

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

Alternative Names

CD184; D2S201E; FB22; HM89; HSY3RR; LAP3; LCR1; LESTR; NPY3R; NPYR; NPYRL; NPYY3R; WHIM; C-X-C chemokine receptor type 4; CD184 antigen, chemokine (C-X-C motif), receptor 4 (fusin); chemokine receptor 4, fusin, leukocyte-derived seven-transmembrane-domain receptor; lipopolysaccharide-associated protein 3; neuropeptide Y receptor Y3, seven transmembra

Gene ID

[7852](#)

UniProt ID

[P61073](#)