

Product Information

MemDX™ Membrane Protein Human CXCR4 (C-X-C motif chemokine receptor 4) Full Length

Cat. No.: **MPC0074K**

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

This product is a 39.7 kDa Human CXCR4 membrane protein expressed in Baculovirus/Insect 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

Protein Class

GPCR

Molecular Weight

39.7 kDa

TMD

7

Sequence

MEGISIYTS DNYTEEMGSGDYDSMKEPCFREENANFNKIFLPTIYSIIFL
TGIVGNGLVILVMGYQKKLRSM TDKYRLHLSVADLLFVITLPFWAVDAVA
NWYFGNFLCKAVHVIYTVNLYSSVLILAFISLD RYLAIVHATNSQRPRKL
LAEKVVYVGWIPALLLTIPDFIFANVSEADDRYICDRFYPNDLWVVVFQ
FQHIMVGLILPGIVILSCYCIISKLSHSGHQKRKALKTTVILILAFFA
CWLPYYIGISIDSFILLEI IKQGCEFENTVHKWISITEALAFFHCCLNPI
LYAFLGAKFKTSAQHALTSVSRGSS LKILSKGKRGGHSSVSTESESSFH
SS

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Flag tag at N-terminal and 10xHis tag at C-terminal

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

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

FB22; HM89; LAP3; LCR1; NPYR; WHIM; CD184; LAP-3; LESTR; NPY3R; NPYRL; WHIMS; HSY3RR; NPYY3R; D2S201E; C-X-C chemokine receptor type 4; CD184 antigen; LPS-associated protein 3
SDF-1 receptor; chemokine (C-X-C motif) receptor 4; fusin; leukocyte-derived seven transmembrane domain receptor; lipopolysaccharide-associated protein 3; neuropeptide Y receptor Y3
neuropeptide Y3 receptor; seven transmembrane helix receptor; seven-transmembrane-segment receptor, spleen; stromal cell-derived factor 1 receptor; CXCR4; C-X-C motif chemokine receptor 4

Gene ID

[7852](#)

UniProt ID

[P61073](#)