

Product Information

NativeExtract™ Human CXCR4 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX447**

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

This product is recombinant Human CXCR4 protein in native nanodisc form. The synthetic compound we developed can solubilize the CXCR4 protein from membrane while retaining the native structure.

Product Specifications

Host Species

Human

Target Protein

CXCR4

Protein Length

Full length

Molecular Weight

39.7 kDa

Sequence

Accession # [P61073](#)

Product Description

Activity

Yes

Application

ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems

HEK293 expression system

Tag

Flag tag at the C-terminus

Protein Format

Native Nanodisc

Form

Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -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

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](#)