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Datasheet for ABIN7504970

**CXCR4 Protein (AA 1-38) (His tag)**

## Overview

Quantity:	100 µg
Target:	CXCR4
Protein Characteristics:	AA 1-38
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CXCR4 protein is labelled with His tag.

## Product Details

Sequence:	Met1-Lys38
Characteristics:	A DNA sequence encoding the human CXCR4 (C28A) (1M-38K) was expressed with a GST tag at the N-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.

## Target Details

Target:	CXCR4
Alternative Name:	CXCR4 ( <a href="#">CXCR4 Products</a> )
Background:	Background: Receptor for the C-X-C chemokine CXCL12/SDF-1 that transduces a signal by increasing intracellular calcium ions levels and enhancing MAPK1/MAPK3 activation. Acts as a receptor for extracellular ubiquitin, leading to enhance intracellular calcium ions and reduce cellular cAMP levels. Involved in haematopoiesis and in cardiac ventricular septum formation.

## Target Details

Plays also an essential role in vascularization of the gastrointestinal tract, probably by regulating vascular branching and/or remodeling processes in endothelial cells. Could be involved in cerebellar development. In the CNS, could mediate hippocampal-neuron survival. Acts as a coreceptor (CD4 being the primary receptor) for HIV-1 X4 isolates and as a primary receptor for some HIV-2 isolates. Promotes Env-mediated fusion of the virus.

Synonym: C-X-C chemokine receptor type 4, CD184, FB22, Fusin, HM89, HSY3RR, LAP3, LCR1, NPYR, SDF 1 receptor, WHIM

Molecular Weight: 31.2 kDa

UniProt: [P61073](#)

Pathways: [Regulation of Cell Size, CXCR4-mediated Signaling Events](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months