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Product Information

MemDX™ Membrane Protein Human CXCR6 (C-X-C motif chemokine receptor 6) for Antibody Discovery

Cat. No.: **MP1348J**
This product is for research use only and is not intended for diagnostic use.

This product is a 39.3 kDa Human CXCR6 membrane protein expressed in E.coli. 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
CXCR6

Protein Length
Full-length

Protein Class
GPCR

Molecular Weight
39.3 kDa

TMD
7

Sequence
MAEHDYHEDYGFSSFNDSSQEEHQDFLQFSKVFLPCMYLVVFVCGLVGNSLVLVISIFYH
KLQSLTDVFLVNLPLADLVFVCTLPFWAYAGIHEWVFGQVMCKSLLGIYTINFYTSMLIL
TCITVDRFIVVVKATKAYNQQAKRMTWGKVTSLLIWVISLLVSLPQIIYGNVFNLDKLIC
GYHDEAISTVVLATQMTLGFFLPLLTMIVCYSVIIKTLLHAGGFQKHRSLKIIFLVMAVF
LLTQMPFNLMKFIRSTHWEYYAMTSFHYTIMVTEAIAYLRACLNPVLYAFVSLKFRKNFW
KLVKDIGCLPYLGVSHQWKSSEDNSKTFSASHNVEATSMFQL

Product Description

Expression Systems
E.coli

Tag
N-His or Tag-Free

Form

Lyophilized powder

Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration).

Purity

>85% as determined by SDS-PAGE

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

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

Target

Target Protein

CXCR6

Full Name

C-X-C motif chemokine receptor 6

Introduction

The protein encoded by this gene is a G protein-coupled receptor with seven transmembrane domains that belongs to the CXC chemokine receptor family. This family also includes CXCR1, CXCR2, CXCR3, CXCR4, CXCR5, and CXCR7. This gene, which maps to the chemokine receptor gene cluster, is expressed in several T lymphocyte subsets and bone marrow stromal cells. The encoded protein and its exclusive ligand, chemokine ligand 16 (CCL16), are part of a signalling pathway that regulates T lymphocyte migration to various peripheral tissues (the liver, spleen red pulp, intestine, lungs, and skin) and promotes cell-cell interaction with dendritic cells and fibroblastic reticular cells. CXCR6/CCL16 also controls the localization of resident memory T lymphocytes to different compartments of the lung and maintains airway resident memory T lymphocytes, which are an important first line of defense against respiratory pathogens. The encoded protein serves as an entry coreceptor used by HIV-1 and SIV to enter target cells, in conjunction with CD4.

Alternative Names

bonzo; C X C chemokine receptor type 6; C-X-C chemokine receptor type 6; CD 186; CD186; CD186 antigen; CDw186; Chemokine (C X C motif) receptor 6; Chemokine C X C motif receptor 6; Chemokine CXC motif receptor 6; Chemokine receptor 6; CXC chemokine receptor type 6; CXC R6; CXC-R6; CXCR 6; CXCR-6; CXCR6; CXCR6_HUMAN; G protein coupled receptor; G protein coupled receptor bonzo; G protein coupled receptor STRL 33; G protein coupled receptor STRL33; G protein coupled receptor TYMSTR; G-protein coupled receptor bonzo; G-protein coupled receptor STRL33; STRL 33; STRL33; TYMSTR

Gene ID

10663

UniProt ID

O00574