

Product Information

MemDX™ Membrane Protein Human CXCR3 (C-X-C motif chemokine receptor 3) Full Length

Cat. No.: **MPC0073K**

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

This product is a 40.6 kDa Human CXCR3 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

CXCR3

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

40.6 kDa

TMD

7

Sequence

MVLEVSDHQVLNDAEVAALLENFSSSYDYGENESDSCCTSPPCPQDFSLN
FDRAFLPALYSLLFLLGLLGNGAVAAVLLSRRTALSSTDFTLLHLAVADT
LLVLTPLWAVDAAVQWVFGSLCKVAGALFNINFYAGALLACISFDY
LNIVHATQLYRRGPPARVTLTCLAVWGLCLLFALPDFIFLSAHHDERLNA
THCQYNFPQVGRTALRVLQLVAGFLLPLLVMAYCYAHILAVLLVSRGQRR
LRAMRLVVVVVAFALCWTPYHLVVLVDILMDLGALARNCGRESRVDVAK
SVTSGLGYMHCCNLPLLYAFVGVKFRERMWMLLLRLGCPNQRLQRQPSS
SRRDSSWSETSEASYSGL

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

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**

CXCR3

Full Name

C-X-C motif chemokine receptor 3

Introduction

This gene encodes a G protein-coupled receptor with selectivity for three chemokines, termed CXCL9/Mig (monokine induced by interferon-g), CXCL10/IP10 (interferon-g-inducible 10 kDa protein) and CXCL11/I-TAC (interferon-inducible T cell a-chemoattractant). Binding of chemokines to this protein induces cellular responses that are involved in leukocyte traffic, most notably integrin activation, cytoskeletal changes and chemotactic migration. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. One of the isoforms (CXCR3-B) shows high affinity binding to chemokine, CXCL4/PF4.

Alternative Names

GPR9; MigR; CD182; CD183; Mig-R; CKR-L2; CMKAR3; IP10-R; C-X-C chemokine receptor type 3; G protein-coupled receptor 9; IP-10 receptor; Mig receptor; chemokine (C-X-C motif) receptor 3; chemokine receptor 3; interferon-inducible protein 10 receptor; CXCR3; C-X-C motif chemokine receptor 3

Gene ID

[2833](#)

UniProt ID

[P49682](#)