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Product Information

MemDX™ Membrane Protein Human CCR7 (C-C motif chemokine receptor 7) Full Length

Cat. No.: **MPC0054K**
This product is for research use only and is not intended for diagnostic use.

This product is a 42.8 kDa Human CCR7 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
CCR7

Protein Length
Full length

Protein Class
GPCR

Molecular Weight
42.8 kDa

TMD
7

Sequence
MDLGKPMKSVLVVALLVIFQVCLCQDEVTDDYIGDNTTVDYTLFESLCSK
KDVRNFKAWFLPIMYSIICFVGLLGNGLVVLTYIYFKRLKTMTDTYLLNL
AVADILFLLTLPFWAYSAAKSWVFGVHFCKLIFAIYKMSFFSGMLLLLCI
SIDRYVAIVQAVSAHRHRARVLLISKLSCVGIWILATVLSIPELLYSDLQ
RSSSEQAMRCSLITEHVEAFITIQVAQMVIGFLVPLLAMSFCYLVIIRTL
LQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNITSSTCEL
SKQLNIAYDVTYSLACVRCCVNPFLYAFIGVKFRNDLFKLFKDLGCLSQE
QLRQWSSCRHIRRSSMSVEAETTTTFSP

Product Description

Expression Systems
Baculovirus/Insect expression system

Tag
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

CCR7

Full Name

C-C motif chemokine receptor 7

Introduction

The protein encoded by this gene is a member of the G protein-coupled receptor family. This receptor was identified as a gene induced by the Epstein-Barr virus (EBV), and is thought to be a mediator of EBV effects on B lymphocytes. This receptor is expressed in various lymphoid tissues and activates B and T lymphocytes. It has been shown to control the migration of memory T cells to inflamed tissues, as well as stimulate dendritic cell maturation. The chemokine (C-C motif) ligand 19 (CCL19/ECL) has been reported to be a specific ligand of this receptor. Signals mediated by this receptor regulate T cell homeostasis in lymph nodes, and may also function in the activation and polarization of T cells, and in chronic inflammation pathogenesis. Alternative splicing of this gene results in multiple transcript variants.

Alternative Names

BLR2; EBI1; CCR-7; CD197; CDw197; CMKBR7; CC-CKR-7; C-C chemokine receptor type 7; Bukitt's lymphoma receptor 2; CC chemokine receptor 7; EBV-induced G protein-coupled receptor 1; Epstein-Barr virus induced gene 1; Epstein-Barr virus-induced G-protein coupled receptor 1; MIP-3 beta receptor; chemokine (C-C motif) receptor 7; lymphocyte-specific G protein-coupled peptide receptor; CCR7; C-C motif chemokine receptor 7

Gene ID

1236

UniProt ID

P32248

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