

Product Information

NativeExtract™ Human CCR7 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX460**

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

This product is recombinant Human CCR7 protein in native nanodisc form. The synthetic compound we developed can solubilize the CCR7 protein from membrane while retaining the native structure.

Product Specifications

Host Species

Human

Target Protein

CCR7

Protein Length

Full length

Molecular Weight

42.9 kDa

Sequence

Accession # [P32248](#)

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**

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](#)