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Product Information

NativeExtract™ Human CCR9 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX450**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human CCR9 protein in native nanodisc form. The synthetic compound we developed can solubilize the CCR9 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
CCR9

Protein Length
Full length

Molecular Weight
42.0 kDa

Sequence
Accession # P51686

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

CCR9

Full Name

C-C motif chemokine receptor 9

Introduction

The protein encoded by this gene is a G protein-coupled receptor with seven transmembrane domains that belongs to the beta chemokine receptor family. Chemokines and their receptors are key regulators of thymocyte migration and maturation in normal and inflammation conditions. This gene is differentially expressed in T lymphocytes of the small intestine and colon, and its interaction with chemokine 25 contributes to intestinal intra-epithelial lymphocyte homing to the small intestine. This suggests a role for this gene in directing immune responses to different segments of the gastrointestinal tract. This gene and its exclusive ligand, chemokine 25, are overexpressed in a variety of malignant tumors and are closely associated with tumor proliferation, apoptosis, invasion, migration and drug resistance. This gene maps to the chemokine receptor gene cluster. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

GPR28; CDw199; GPR-9-6; CC-CKR-9; C-C chemokine receptor type 9; G protein-coupled receptor 28; chemokine (C-C motif) receptor 9; CCR9; C-C motif chemokine receptor 9

Gene ID

10803

UniProt ID

P51686

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