

Product Information

MemDX™ Membrane Protein Human CCR9 (C-C motif chemokine receptor 9) Full Length

Cat. No.: **MPC0056K**

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

This product is a 42 kDa Human CCR9 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

CCR9

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

42 kDa

TMD

7

Sequence

MTPTDFTSPIPNMADDYGSESTSSMEDYVNFNFTDFYCEKNNVRQFASHF
LPPLYWLVFIVGALGNSLVILVYWYCTRVKTM TDMFLLNLAIADLLFLVT
LPFWAIAAADQWKQTFMCKVVNSMYKMNFYSCVLLIMCISVDRIYIAIQ
AMRAHTWREKRLLYSKMVCFTIWWLAAALCIPEILYSQIKEESGIAICTM
VYPSDESTKLKSAVLTLKVILGFFLPFVVMACCYTIIHTLIQAKKSSKH
KALKVTITVLTVFVLSQFPYNCILLVQTIDAYAMFISNCAVSTNIDICFQ
VTQTIAFFHSCLNPVLYVFVGERFRDLVKTLKNLGCISQAQWVSFTRRE
GSLKLSSMLLETTSGLSL

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**

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](#)