

Product Information

MemDX™ Membrane Protein Human CCR2 (C-C motif chemokine receptor 2) Full Length

Cat. No.: **MPC0049K**

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

This product is a 41.9 kDa Human CCR2 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

CCR2

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

41.9 kDa

TMD

7

Sequence

MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYS
LVFIFGFVGNMLVVLILINCKKLCCLTDIYLLNLAISDLLFLITLPLWAH
SAANEVWVFGNAMCKLFTGLYHIGYFGGIFFIILLTIDRYLAIVHAVFALK
ARTVTFGVVTSVITWLVAVFASVPGIIFTKCQKEDSVYVCGPYFPRGWNN
FHTIMRNILGLVPLLMVICYSGILKTLLRCRNEKRRHRAVRVIFTIMI
VYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTHCCI
NPIIYAFVGEKFRSLFHIALGCRIAPLQKPVCGGPGVVRPGKNVKVTTQGL
LDGRGKGKSGRAPEASLQDKEGA

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Flag tag at N-terminal and 10xHis tag and another FLAG 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**

CCR2

Full Name

C-C motif chemokine receptor 2

Introduction

The protein encoded by this gene is a receptor for monocyte chemoattractant protein-1, a chemokine which specifically mediates monocyte chemotaxis. Monocyte chemoattractant protein-1 is involved in monocyte infiltration in inflammatory diseases such as rheumatoid arthritis as well as in the inflammatory response against tumors. The encoded protein mediates agonist-dependent calcium mobilization and inhibition of adenylyl cyclase. This protein can also be a coreceptor with CD4 for HIV-1 infection. This gene is located in the chemokine receptor gene cluster region of chromosome 3.

Alternative Names

CKR2; CCR-2; CCR2A; CCR2B; CD192; CKR2A; CKR2B; CMKBR2; MCP-1-R; CC-CKR-2; C-C chemokine receptor type 2; MCP-1 receptor; chemokine (C-C motif) receptor 2; monocyte chemoattractant protein 1 receptor; monocyte chemotactic protein 1 receptor; CCR2; C-C motif chemokine receptor 2

Gene ID

[729230](#)

UniProt ID

[P41597](#)