

# Product Information

## MemDX™ Membrane Protein Human CCR3 (C-C motif chemokine receptor 3) Full Length

Cat. No.: **MPC0050K**

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

This product is a 41 kDa Human CCR3 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

CCR3

#### Protein Length

Full length

#### Protein Class

GPCR

#### Molecular Weight

41 kDa

#### TMD

7

#### Sequence

MTTSLDTVETFGTTSYYDDVGLLCEKADTRALMAQFVPPLYSLVFTVGLL  
GNVVVVMILIKYRRLRIMTNIYLLNLAISDLLFLVTLPFWIHYVRGHNWV  
FGHGMCKLLSGFYHTGLYSEIFFIILLTIDRYLAIVHAVFALRARTVTFG  
VITSIVTWGLAVLAALPEFIFYETEELFEETLCSALYPEDTVYSWRHFHT  
LRMTIFCLVPLLVMAICYTGIIKTLLRCPSKKKYKAIRLIFVIMAVFFI  
FWTPYNVAILLSSYQSILFGNDCERSKHLDLVMLVTEVIAYSHCCMNPVI  
YAFVGERFRKYLRHFFHRHLLMHLGRYIPFLPSEKLERTSSVSPSTAEPE  
LSIVF

### Product Description

#### Expression Systems

Baculovirus/Insect expression system

#### Tag

Based on specific requirements

**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**

CCR3

**Full Name**

C-C motif chemokine receptor 3

**Introduction**

The protein encoded by this gene is a receptor for C-C type chemokines. It belongs to family 1 of the G protein-coupled receptors. This receptor binds and responds to a variety of chemokines, including eotaxin (CCL11), eotaxin-3 (CCL26), MCP-3 (CCL7), MCP-4 (CCL13), and RANTES (CCL5). It is highly expressed in eosinophils and basophils, and is also detected in TH1 and TH2 cells, as well as in airway epithelial cells. This receptor may contribute to the accumulation and activation of eosinophils and other inflammatory cells in the allergic airway. It is also known to be an entry co-receptor for HIV-1. This gene and seven other chemokine receptor genes form a chemokine receptor gene cluster on the chromosomal region 3p21. Alternatively spliced transcript variants have been described.

**Alternative Names**

CKR3; CD193; CKR 3; CMKBR3; C C CKR3; CC-CKR-3; C-C chemokine receptor type 3; C-C CKR-3; CC chemokine receptor 3; CCR-3; b-chemokine receptor; chemokine (C-C motif) receptor 3; eosinophil CC chemokine receptor 3; eosinophil eotaxin receptor; CCR3; C-C motif chemokine receptor 3

**Gene ID**

[1232](#)

**UniProt ID**

[P51677](#)