

## Product Information

### MemDX™ Membrane Protein Human CCR1 (C-C motif chemokine receptor 1) Full Length

Cat. No.: **MPC0048K**

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

This product is a 41.1 kDa Human CCR1 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

CCR1

##### Protein Length

Full length

##### Protein Class

GPCR

##### Molecular Weight

41.1 kDa

##### TMD

7

##### Sequence

METPNTTEDYDTTEFDYGDATPCQKVNERAFGAQQLPPLYSLVFVIGLV  
GNILVVLVLVQYKRLKNMTSIYLLNLAISSLFLFTLPFWIDYKLKDDWV  
FGDAMCKILSGFYTGlySEIFFIILLTIDRYLAIVHAVFALRARTVTFG  
VITSIIIWALAILASMPGLYFSKTQWEFTIHCTSLHFPHESLREWKLQQA  
LKLNLFGVLPLLVMIICYTGIKILLRRPNEKKSKAVRLIFVIMIIFL  
FWTPYNLTILISVFQDFLFTHECEQSRHLDLAVQVTEVIAYTHCCVNPVI  
YAFVGERFRKYLRQLFHRRVAVHLVKWLPFLSVDRLERVSSTSPSTGEHE  
LSAGF

#### 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**

CCR1

**Full Name**

C-C motif chemokine receptor 1

**Introduction**

This gene encodes a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. The ligands of this receptor include macrophage inflammatory protein 1 alpha (MIP-1 alpha), regulated on activation normal T expressed and secreted protein (RANTES), monocyte chemoattractant protein 3 (MCP-3), and myeloid progenitor inhibitory factor-1 (MPIF-1). Chemokines and their receptors mediated signal transduction are critical for the recruitment of effector immune cells to the site of inflammation. Knockout studies of the mouse homolog suggested the roles of this gene in host protection from inflammatory response, and susceptibility to virus and parasite. This gene and other chemokine receptor genes, including CCR2, CCRL2, CCR3, CCR5 and CCXCR1, are found to form a gene cluster on chromosome 3p.

**Alternative Names**

CKR1; CD191; CKR-1; HM145; CMKBR1; MIP1aR; SCYAR1; C-C CKR-1; CC-CKR-1; CCR-1; LD78 receptor; MIP-1alpha-R; RANTES receptor; RANTES-R; chemokine (C-C motif) receptor 1; macrophage inflammatory protein 1-alpha receptor; CCR1; C-C motif chemokine receptor 1

**Gene ID**

[1230](#)

**UniProt ID**

[P32246](#)