

Recombinant Full Length Human CCR1 Protein

Cat. No. CCR1-2997HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human CCR1 full-length ORF (NP_001286.1) recombinant protein without tag.

Species Human

Source In Vitro Cell Free System

ProteinLength 433 amino acids

Description

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. [provided by RefSeq, Jul 2008]

Form Liquid

Molecular Mass 41.2 kDa

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AA Sequence

METPNTTEDYDTTTEFDYGDATPCQKVNERAFGAQLLPPLYSLVFIGLVGNILVVLV
 LVQYKRLKNMTSIYLLNLAISDLLFLFTLPFWIDYKLDKDDWVFGDAMCKILSGFYTGL
 YSEIFFIILLTIDRYLAIVHAVFALRARTVTFGVITSIIIWALAILASMPGLYFSKTQWEFT
 HHTCSLHFPHESLREWKLQALKLNLFLGLVPLLVMIICYTGIIKILLRRPNEKKS KAVR
 LIFVIMIIFLFWTPYNLTILISVFQDFLFTHECEQSRHLDLAVQVTEVIAYTHCCVNPVI
 YAFVGERFRKYLRQLFHRRVAVHLVKWLPFLSVDRLERVSSTSPSTGEHEL SAGF

Applications

Antibody Production
 Functional Study
 Compound Screening

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name CCR1 chemokine (C-C motif) receptor 1 [Homo sapiens]

Official Symbol CCR1

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

Gene ID 1230

mRNA Refseq NM_001295

Protein Refseq NP_001286

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MIM	601159
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UniProt ID	P32246
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