

Recombinant Full Length Human CCR10 Protein, GST-tagged

Cat. No. CCR10-3003HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CCR10 full-length ORF (AAH98132.1, 1 a.a. - 362 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	362 amino acids
Description	Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7-transmembrane, G protein-coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. Chemokines are divided into 2 major subfamilies, CXC and CC, based on the arrangement of the first 2 of the 4 conserved cysteine residues; the 2 cysteines are separated by a single amino acid in CXC chemokines and are adjacent in CC chemokines. CCR10 is the receptor for CCL27 (SCYA27; MIM 604833); CCR10-CCL27 interactions are involved in T cell-mediated skin inflammation (Homey et al., 2002 [PubMed 11821900]).[supplied by OMIM, Mar 2008]
Molecular Mass	64.8 kDa
AA Sequence	MGTEATEQVSWGHYSGDEEDAYS AEPLPELCYKADVQAFSRAFQPSVSLTVAALG

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LAGNGLVLATHLAARRAARSPTSAHLLQLALADLLLALTLPFAAAGALQGWSLGSAT
 CRTISGLYSASFHAGFLFLACISADRYVAIARALPAGPRPSTPGRAHLVSVIWLSSL
 LALPALLFSQDGQREGQRRCLIFPEGLTQTVKGASAVAQVALGFALPLGVMVACY
 ALLGRTLAAARGPERRRALRVVVALVAAFVVLQLPYSLALLDADLLAARERSCPAS
 KRKDVALLVTSGLALARCGLNPVLYAFLGLRFRQDLRRLLRGGSCPSGPQPRRGCP
 RRPRLSSCSAPTETHSLSDWN

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

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

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CCR10 chemokine (C-C motif) receptor 10 [Homo sapiens]

Official Symbol

CCR10

Synonyms

CCR10; chemokine (C-C motif) receptor 10; G protein coupled receptor 2, GPR2; C-C chemokine receptor type 10; CCR-10; CC-CKR-10; C-C CKR-10; CC chemokine receptor 10; G protein-coupled receptor 2; G-protein coupled receptor 2; GPR2;

Gene ID

2826

mRNA Refseq

NM_016602

Protein Refseq

NP_057686

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MIM	600240
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UniProt ID	P46092
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