

Recombinant Full Length Human CCR10 Protein

Cat. No. CCR10-3000HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CCR10 full-length ORF (AAH98132.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	398 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]
Form	Liquid
Molecular Mass	38.4 kDa

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AA Sequence	MGTEATEQVSWGHYSGDEEDAYS AEPLPELCYKADVQAFSRAFQPSVSLTVAALG LAGNGLVLATHLAARRAARSPTS AHLLQLALADLLLALTLPFAAAGALQGWSLGSAT CRTISGLYSASFHAGFLFLACISADRYVAIARALPAGPRPSTPGRAHLVSVIVWLLSLL LALPALLFSQDGQREGQRRCLIFPEGLTQTVKGASAVAQVALGFALPLGVMVACY ALLGRTLAAARGPERRRALRVVVALVAAFVVLQLPYSLALLLDTADLLAARERSCPAS KRKDVALLVTSGLALARCGLNPNVLYAFLGLRFRQDLRRLLRGGSCPSGPQPRRGCP RRPRLSSCSAPTETHSLSDWN
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	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

MIM	600240
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UniProt ID	P46092
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