Recombinant Full Length Human CCR3 Protein, GST-tagged

Cat. No. CCR3-3007HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CCR3 full-length ORF (NP_001828.1, 1 a.a. - 355 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	355 amino acids
Description	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. [provided by RefSeq, Sep 2009]
Molecular Mass	67.4 kDa
AA Sequence	MTTSLDTVETFGTTSYYDDVGLLCEKADTRALMAQFVPPLYSLVFTVGLLGNVVVVM ILIKYRRLRIMTNIYLLNLAISDLLFLVTLPFWIHYVRGHNWVFGHGMCKLLSGFYHTG LYSEIFFIILLTIDRYLAIVHAVFALRARTVTFGVITSIVTWGLAVLAALPEFIFYETEELFE

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	ETLCSALYPEDTVYSWRHFHTLRMTIFCLVLPLLVMAICYTGIIKTLLRCPSKKKYKAIR LIFVIMAVFFIFWTPYNVAILLSSYQSILFGNDCERSKHLDLVMLVTEVIAYSHCCMNP VIYAFVGERFRKYLRHFFHRHLLMHLGRYIPFLPSEKLERTSSVSPSTAEPELSIVF
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	CCR3 chemokine (C-C motif) receptor 3 [Homo sapiens]
Official Symbol	CCR3
Synonyms	CCR3; chemokine (C-C motif) receptor 3; CMKBR3; C-C chemokine receptor type 3; CC CKR 3; CD193; CKR3; CCR-3; C-C CKR-3; b-chemokine receptor; CC chemokine receptor 3; eosinophil eotaxin receptor; eosinophil CC chemokine receptor 3; CC-CKR-3; MGC102841;
Gene ID	1232
mRNA Refseq	NM_001164680
Protein Refseq	NP_001158152
MIM	601268

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UniProt ID	P51677

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