

Recombinant Human CCR7 Protein

Cat. No. CCR7-0696H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Human CCR7 full-length ORF (NP_001829.1) recombinant protein without tag. |
| Species | Human |
| Source | Wheat Germ |
| Description | <p>The protein encoded by this gene is a member of the G protein-coupled receptor family. This receptor was identified as a gene induced by the Epstein-Barr virus (EBV), and is thought to be a mediator of EBV effects on B lymphocytes. This receptor is expressed in various lymphoid tissues and activates B and T lymphocytes. It has been shown to control the migration of memory T cells to inflamed tissues, as well as stimulate dendritic cell maturation. The chemokine (C-C motif) ligand 19 (CCL19/ECL) has been reported to be a specific ligand of this receptor. Signals mediated by this receptor regulate T cell homeostasis in lymph nodes, and may also function in the activation and polarization of T cells, and in chronic inflammation pathogenesis. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Sep 2014]</p> |
| Form | Liquid |
| Molecular Mass | 42.9 kDa |
| AA Sequence | MDLGKPMKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFK AWFLPIMYSIICFVGLLGNGLVVLTYIYFKRLKTMDDTYLLNLAVADILFLLTLPFWAYS AAKSWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKL |

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SCVGIWILATVLSIPELLYSIDLQRSSEQAMRCSLITEHVEAFITIQVAQMVGFLVPLL
 AMSFCYLVIIRTLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNITSST
 CELSKQLNIAVDVTYSLACVRCCVNPFLYAFIGVKFRNDLFKLFKDLGCLSQEQLRQ
 WSSCRHIRRSSMSVEAETTTTFSP

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| Applications | Antibody Production Functional Study Compound Screening |
| Usage | Heating may cause protein aggregation. Please do not heat this product before electrophoresis. |
| 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

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|------------------------|--|
| Gene Name | CCR7 chemokine (C-C motif) receptor 7 [Homo sapiens] |
| Official Symbol | CCR7 |
| Synonyms | CCR7; chemokine (C-C motif) receptor 7; CMKBR7, EBI1; C-C chemokine receptor type 7; BLR2; CD197; CDw197; CCR-7; CC-CKR-7; C-C CKR-7; MIP-3 beta receptor; CC chemokine receptor 7; chemokine (C-C) receptor 7; Epstein-Barr virus induced gene 1; EBV-induced G protein-coupled receptor 1; EBV-induced G-protein coupled receptor 1; Epstein-Barr virus induced G-protein coupled receptor; lymphocyte-specific G protein-coupled peptide receptor; epstein-Barr virus-induced G-protein coupled receptor 1; EBI1; CMKBR7; |
| Gene ID | 1236 |

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|-----------------------|-----------|
| mRNA Refseq | NM_001838 |
| Protein Refseq | NP_001829 |
| MIM | 600242 |
| UniProt ID | P32248 |

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