

Recombinant Human CCR7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CCR7-4640H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CCR7 MS Standard C13 and N15-labeled recombinant protein (NP_001829) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.</p>
Molecular Mass	42.9 kDa
AA Sequence	MDLGKPMKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFK AWFLPIMYSIICFVGLLGNGLVVLTYIYFKRKLKMTDTYLLNLAVADILFLLTLPFWAYS AAKSWVFGVHFCKLIFAIYKMSFFSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKL

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SCVGIWILATVLSIPELLYSIDLQRSSEQAMRCSLITEHVEAFITIQVAQMVGFLVPLL
 AMSFCYLVIIRTLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQTVANFNITSST
 CELSKQLNIAVDVTYSLACVRCCVNPFLYAFIGVKFRNDLFKLFKDLGCLSQEQLRQ
 WSSCRHIRRSSMSVEAETTTTSPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CCR7 C-C motif chemokine receptor 7 [Homo sapiens (human)]

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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