

Recombinant Full Length Human CCR7 Protein, C-Flag-tagged

Cat. No. CCR7-875HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CCR7 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	40.2 kDa
AA Sequence	MDLGKPMKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFK AWFLPIMYSIICF VGLLGNGLVVLTYYFKRLKMTDTYLLNLAVADILFLLTLPFWAYS AAKSWVFGVHFCKLIFAIYKMSF FSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISK

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LSCVGIWILATVLSIPELLYSDLQRSSEQAMRC SLITEHVEAFITIQVQMVGFLVPL
LAMSFCYLVII RTLLQARNFERNKAIKVIIAVVVVFIVFQLPYN GVVLAQTVANFNITSS
TCELSKQLNIA YDVTYSLACVRCCVNPFLYAFIGVKFRNDLFLFKDLGCLSQE
QLRQWSSCRHIRRSSMSVEAETTTTFSPTRTRPLEQKLISEEDLAANDILDYKDDDD
KV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
Full Length	Full L.

GENE INFORMATION

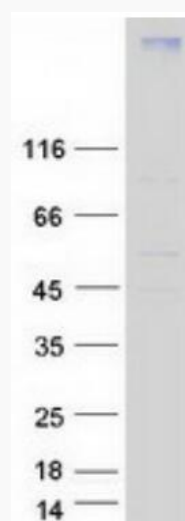
Gene Name	CCR7 C-C motif chemokine receptor 7 [Homo sapiens (human)]
Official Symbol	CCR7
Synonyms	BLR2; EBI1; CCR-7; CD197; CDw197; CMKBR7; CC-CKR-7

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Gene ID	1236
mRNA Refseq	NM_001838.4
Protein Refseq	NP_001829.1
MIM	600242
UniProt ID	P32248



Coomassie blue staining of purified CCR7 protein.