

Product datasheet for PH306614

CCR7 (NM_001838) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CCR7 MS Standard C13 and N15-labeled recombinant protein (NP_001829)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206614
Predicted MW:	42.9 kDa
Protein Sequence:	>RC206614 protein sequence Red=Cloning site Green=Tags(s) MDLGKPMKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKGDVRNFKAWFLPIMYSIICF VGLLGNGLVVLTYYIFKRLKMTDITYLLNLAVADILFLLTLPFWAYSAAKSWVFGVHFCKLIFAIYKMSF FSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSVGIWILATVLSIPELLYSDLQRSSEQAMRC SLITEHVEAFITIQVAQMVIGFLVPLLAMSFCYLVIIRTLQARNFERNKAIKVIVVVVIVFQLPYN GVVLAQTVANFNITSSTCELSKQLNIAVDVTYSLACVRCCVNPFLYAFIGVKFRNDLFKLFKDLGCLSQE QLRQWSSCRHIRSSMSVEAETTTTFSP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001829</u>
RefSeq Size:	2207
RefSeq ORF:	1134
Synonyms:	BLR2; CC-CKR-7; CCR-7; CD197; CDw197; CMKBR7; EBI1
Locus ID:	1236



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UniProt ID: [P32248](#), [A0N0Q0](#)

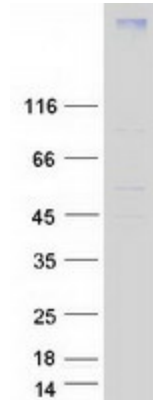
Cytogenetics: 17q21.2

Summary: 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]

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction

Product images:



Coomassie blue staining of purified CCR7 protein (Cat# [TP306614]). The protein was produced from HEK293T cells transfected with CCR7 cDNA clone (Cat# [RC206614]) using MegaTran 2.0 (Cat# [TT210002]).