

Product datasheet for **RG237805**

CCR7 (NM_001301716) Human Tagged ORF Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | CCR7 (NM_001301716) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | CCR7 |
| Synonyms: | BLR2; CC-CKR-7; CCR-7; CD197; CDw197; CMKBR7; EBI1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG237805 representing NM_001301716. Blue=ORF Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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CTCCGGCAGTGGTCTTCTGTGCGCACATCCGGCGCTCCTCCATGAGTGTGGAGCCGAGACCACCACC
ACCTTCTCCCA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237805
 Blue=ORF Red=Cloning site Green=Tag(s)

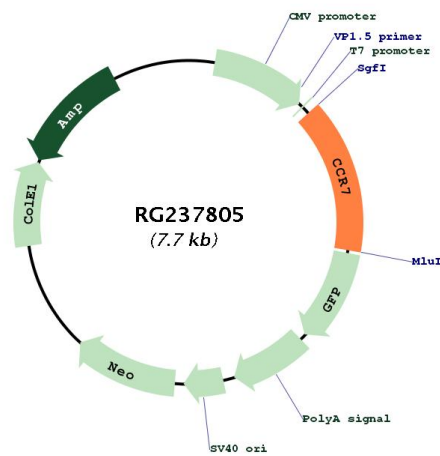
MKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWFLPIMYSIICFVGLLG
 NGLVVLTYIYFKRLKMTDITYLLNLAVADILFLLTLPFWAYSAAKSWVFGVHFCKLIFAIYKMSFFSGM
 LLLLCSIDRYVAIVQAVSAHRHRARVLLISKLSVGIWILATVLSIPELLYSDLQRSSEQAMRCSLI
 TEHVEAFITTIQVAQMVIQFLVPLLAMSFVLYIIRTLLQARNFERNKAIKVIIVVVVFIVFQLPYNGV
 VLAQTVANFNITSSSTCELSKQLNIAVDVYSLACVRCCVNPFLYAFIGVKFRNDLFKLFKDLGCLSQEQ
 LRQWSSCRHIRRSMSSVEAETTTTFSP
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



| | |
|--------------------------|--|
| ACCN: | NM_001301716 |
| ORF Size: | 1116 bp |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| RefSeq: | NM_001301716.1 , NP_001288645.1 |
| RefSeq Size: | 2457 bp |
| RefSeq ORF: | 1119 bp |
| Locus ID: | 1236 |
| UniProt ID: | P32248 |
| Cytogenetics: | 17q21.2 |
| Protein Families: | Druggable Genome, GPCR, Transmembrane |
| Protein Pathways: | Chemokine signaling pathway, Cytokine-cytokine receptor interaction |
| MW: | 42.7 kDa |
| Gene 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] |