

Product datasheet for **RG229977**

CX3CR1 (NM_001171174) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CX3CR1 (NM_001171174) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CX3CR1
Synonyms: CCRL1; CMKBRL1; CMKDR1; GPR13; GPRV28; V28
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG229977 representing NM_001171174
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGAGAACCCCTGGAGGCGTTTAAGTTGGCAGACTTGGATTTTCAGGAAGAGCTCTCTGGCTTCTGGGT
 GGAGAATGGCCAGTGGGGCCTTACCATGGATCAGTTCCTGAATCAGTGACAGAAAACCTTTGAGTACGA
 TGATTTGGCTGAGGCCTGTTATATTGGGACATCGTGGTCTTTGGGACTGTGTCCTGTCCATATTCTAC
 TCCGTCATCTTTGCCATTGGCCTGGTGGGAAATTTGTTGGTAGTGTTCCTCCACCAACAGCAAGAAGC
 CCAAGAGTGTACCGACATTTACCTCCTGAACCTGGCCTTGCTGATCTGCTGTTTGTAGCCACTTTGCC
 CTCTGGACTCACTATTTGATAAATGAAAAGGGCCTCCACAATGCCATGTGCAAATTCACTACCGCCTTC
 TTCTTCATCGGCTTTTTTGAAGCATATTTCTTCATCACCGTCATCAGCATTGATAGGTACCTGGCCATCG
 TCCTGGCCGCAACTCCATGAACAACCGGACCGTGCAGCATGGCGTCACCATCAGCCTAGGCGTCTGGGC
 AGCAGCCATTTTGGTGGCAGCACCCAGTTCATGTTTCACAAAGCAGAAAGAAAATGAATGCCTTGGTGAC
 TACCCCGAGGTCCTCCAGGAAATCTGGCCCGTGCCTCCGAATGTGGAAACAAATTTCTTGGCTTCTAC
 TCCCCCTGCTCATTATGAGTTATTGCTACTTCAGAATCATCCAGACGCTGTTTTCTGCAAGAACCACAA
 GAAAGCCAAAGCCATTAACCTGATCCTTCTGGTGGTTCATCGTGTTCCTCTTCTGGACACCCTACAAC
 GTTATGATTTTCTGGAGACGCTTAAGCTCTAGACTTCTTTCCAGTTGTGACATGAGGAAGGATCTGA
 GGCTGGCCCTCAGTGTGACTGAGACGGTTGCATTTAGCCATTGTTGCCTGAATCCTCTCATCTATGCATT
 TGCTGGGAGAAAGTTCAGAAGATACCTTTACCACCTGTATGGAAATGCCTGGCTGTCCTGTGTGGCGC
 TCAGTCCACGTTGATTTCTCCTCATCTGAATCACAAAGGAGCAGGCATGGAAGTGTCTGAGCAGCAATT
 TTACTTACCACACGAGTGATGGAGATGCATTGCTCCTTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229977 representing NM_001171174
Red=Cloning site Green=Tags(s)

MREPLEAFKLADLDFRKSSLASGWRMASGAFTMDQFPESVTENFEYDDLAEACYIGDIVVFGTVFLSIFY
 SVIFAIGLVGNLLVVFALTNSKKPKSVTDIYLLNLALSDLLFVATLPFWTHYLINЕКLHNAMCKFTTAF
 FFIFGFFSIFFITVISIDRYLAIVLAANSMNRTVQHGVITISLGVWAAAAILVAAPQFMFTKQKENECLGD
 YPEVLQEIWVPLRVNVTNFLGFLPLLSYCYFRIIQTLFCKNHKKAKAIKILLVVI VFFLFWTPYN
 VMIFLETCLKLYDFPSCDMRKDLRLALSVTETVAFSHCCLNPLIYAFAGEKFRRYLYHLYGKCLAVLCGR
 SVHVDVSSSESQSRHGSVLSNFTYHTSDGDALLLL

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2323_f05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001171174

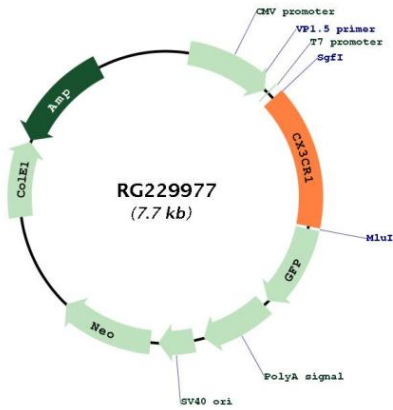
ORF Size: 1161 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001171174.1</u> , <u>NP_001164645.1</u>
RefSeq Size:	3160 bp
RefSeq ORF:	1164 bp
Locus ID:	1524
UniProt ID:	<u>P49238</u>
Cytogenetics:	3p22.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
Gene Summary:	Fractalkine is a transmembrane protein and chemokine involved in the adhesion and migration of leukocytes. The protein encoded by this gene is a receptor for fractalkine. The encoded protein also is a coreceptor for HIV-1, and some variations in this gene lead to increased susceptibility to HIV-1 infection and rapid progression to AIDS. Four transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jan 2010]

Product images:



Circular map for RG229977