

## Product datasheet for RC229977

### CX3CR1 (NM\_001171174) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CX3CR1 (NM_001171174) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CX3CR1
Synonyms:	CCRL1; CMKBRL1; CMKDR1; GPR13; GPRV28; V28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229977 representing NM_001171174 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGAGAACCCCTGGAGGCGTTTAAGTTGGCAGACTTGGATTTTCAGGAAGAGCTCTCTGGCTTCTGGGT  
GGAGAATGGCCAGTGGGCCTTACCATGGATCAGTTCCTGAATCAGTGACAGAAAACCTTTGAGTACGA  
TGATTTGGCTGAGGCCTGTTATATTGGGGACATCGTGGTCTTTGGGACTGTGTCCTGTCCATATTCTAC  
TCCGTCATCTTTGCCATTGGCCTGGTGGGAAATTTGTTGGTAGTGTTCCTCCACCAACAGCAAGAAGC  
CCAAGAGTGTACCGACATTTACCTCCTGAACCTGGCCTTGCTGATCTGCTGTTTGTAGCCACTTTGCC  
CTTCTGGACTCACTATTTGATAAATGAAAAGGGCCTCCACAATGCCATGTGCAAATTCACTACCGCCTTC  
TTCTTCATCGGCTTTTTTGAAGCATATTTCTTCATCACCGTCATCAGCATTGATAGGTACCTGGCCATCG  
TCCTGGCCGCAACTCCATGAACAACCGGACCGTGCAGCATGGCGTCACCATCAGCCTAGGCGTCTGGGC  
AGCAGCCATTTTGGTGGCAGCACCCAGTTCATGTTTCACAAAGCAGAAAGAAAATGAATGCCTTGGTGAC  
TACCCCGAGGTCCTCCAGGAAATCTGGCCCGTGCCTCCGAATGTGGAAACAAATTTCTTGGCTTCTAC  
TCCCTGCTCATTATGAGTTATTGCTACTTCAGAATCATCCAGACGCTGTTTTCTGCAAGAACCACAA  
GAAAGCCAAAGCCATTAACCTGATCCTTCTGGTGGTTCATCGTGTTCCTCTTCTGGACACCCTACAAC  
GTTATGATTTTCTGGAGACGCTTAAGCTCTATGACTTCTTCCAGTTGTGACATGAGGAAGGATCTGA  
GGCTGGCCCTCAGTGTGACTGAGACGGTTGCATTTAGCCATTGTTGCCTGAATCCTCTCATCTATGCATT  
TGCTGGGAGAAAGTTCAGAAGATACCTTTACCACCTGTATGGAAATGCCTGGCTGTCCTGTGTGGCGC  
TCAGTCCACGTTGATTTCTCCTCATCTGAATCACAAAGGAGCAGGCATGGAAGTGTCTGAGCAGCAATT  
TTACTTACCACACGAGTGATGGAGATGCATTGCTCCTTCTC

**ACGGT**ACGGGCGGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC229977 representing NM\_001171174  
Red=Cloning site Green=Tags(s)

MREPLEAFKLADLDFRKSSLASGWRMASGAFTMDQFPESVTENFEYDDLAEACYIGDIVVFGTVFLSIFY  
 SVIFAIGLVGNLLVVFAL TNSKKPKSVTDIYLLNLALSDLLFVATLPFWTHYL INEKGLHNAMCKFTTAF  
 FFIGFFGSIFFITVISIDRYLAIVLAANSMMNRTVQHGVITISLGVWAAAAILVAAPQFMFTKQKENECLGD  
 YPEVLQEIWPVLRNVETNFLGFLPLLSYCYFRIIQTLF SCKNHKKAKAIKLILLVVI VFFLWTPYN  
 VMIFLETCLKLYDFPSCDMRKDLRLALSVTETVAFSHCCLNPLIYAFAGEKFRRYLYHLYGKCLAVLCGR  
 SVHVDVSSSESQRSRHGSLSSNFTYHTSDGDALLLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8056\\_c11.zip](https://cdn.origene.com/chromatograms/mk8056_c11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001171174

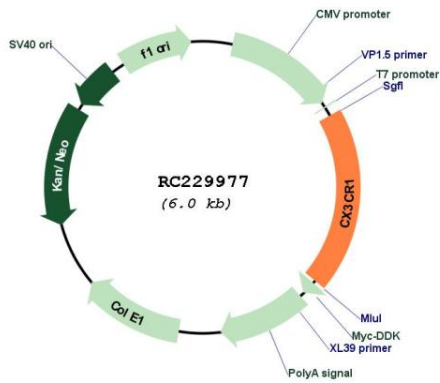
**ORF Size:** 1161 bp

**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](mailto: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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001171174.1, NP_001164645.1</u>
<b>RefSeq ORF:</b>	1164 bp
<b>Locus ID:</b>	1524
<b>UniProt ID:</b>	<u>P49238</u>
<b>Cytogenetics:</b>	3p22.2
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
<b>MW:</b>	44.4 kDa
<b>Gene Summary:</b>	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 RC229977