

## Product datasheet for RC229931

### CX3CR1 (NM\_001171172) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CX3CR1 (NM_001171172) 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:	>RC229931 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATCAGTTCCTGAATCAGTGACAGAAAACCTTTGAGTACGATGATTTGGCTGAGGCCTGTTATATTG  
GGGACATCGTGGTCTTTGGGACTGTGTTCTGTCCATATTCTACTCCGTCATCTTTGCCATTGGCCTGGT  
GGGAAATTTGTTGGTAGTGTGGCCCTACCAACAGCAAGAAGCCCAAGAGTGTCACCGACATTTACCTC  
CTGAACCTGGCCTTGCTGATCTGCTGTTGTAGCCACTTGGCCCTTCTGGACTCACTATTTGATAAATG  
AAAAGGGCCTCCACAATGCCATGTGCAAATCACTACCGCCTTCTTTCATCGGCTTTTTTGGAAAGCAT  
ATCTTTCATCACCGTCATCAGCATTGATAGGTACCTGGCCATCGTCCTGGCCGCAAACCTCCATGAACAAC  
CGGACCGTGCAGCATGGCGTCACCATCAGCCTAGGCGTCTGGGCAGCAGCCATTTTGGTGGCAGCACCCC  
AGTTTCATGTTCAAAAGCAGAAAGAAAATGAATGCCTTGGTGACTACCCCGAGGTCTCCAGGAAATCTG  
GCCCCGTGCTCCGCAATGTGGAACAAAATTTCTTGGCTTCCCTACTCCCCCTGCTCATTATGAGTTATTGC  
TACTTCAGAATCATCCAGACGCTGTTTTCTGCAAGAACCACAAGAAAGCCAAAGCCATTAAGTATGATCC  
TCTGGTGGTTCATCGTGTGTTTCTCTTCTGGACACCCACAACGTTATGATTTTCTGGAGACGCTTAA  
GCTCTATGACTTCTTTCCAGTTGTGACATGAGGAAGGATCTGAGGCTGGCCCTCAGTGTGACTGAGACG  
GTTGCATTTAGCATTGTTGCCTGAATCCTCTCATCTATGCATTTGCTGGGAGAAGTTCAAGATACCC  
TTTACCACCTGTATGGAAATGCCTGGCTGCTGCTGTGGGCGCTCAGTCCACGTTGATTTCTCCTCATC  
TGAATCAAAAGGAGCAGGCATGGAAGTGTCTGAGCAGCAATTTACTTACCACACGAGTGATGGAGAT  
GCATTGCTCCTTCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC229931 protein sequence  
Red=Cloning site Green=Tags(s)

MDQFPESVTENFEYDDLAEACYIGDIVVFGTVFLSIFYSVIFAIGLVGNLLVVFALTNSKKPKSVTDIYL  
 LNLALSDLLFVATLPFWTHYLINЕКLHNAMCKFTTAAFFIGFFGSIFFITVISIDRYLAIVLAANSMMN  
 RTVQHGVITISLGVWAAAAILVAAPQFMFTKQKENECLGDYPEVLQEIWVPLRVNVTNFLGFLPLLSYIC  
 YFRIIQTLFSCKNHKKAKAIKILLVVI VFFLFWTPYNVMI FLET LKLYDFFPSCDMRKDLRLALSVTET  
 VAFSHCCLNPLIYAFAGEKFRRYLYHLYGKCLAVLCGRSVHVDVSSSESQSRHRGSVLSNFYHTSDGD  
 ALLLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6018\\_b09.zip](https://cdn.origene.com/chromatograms/mk6018_b09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001171172

**ORF Size:** 1065 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).

**Reconstitution Method:**

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:** [NM\\_001171172.1](#), [NP\\_001164643.1](#)

**RefSeq Size:** 3224 bp

**RefSeq ORF:** 1068 bp

**Locus ID:** 1524

**UniProt ID:** [P49238](#)

**Cytogenetics:** 3p22.2

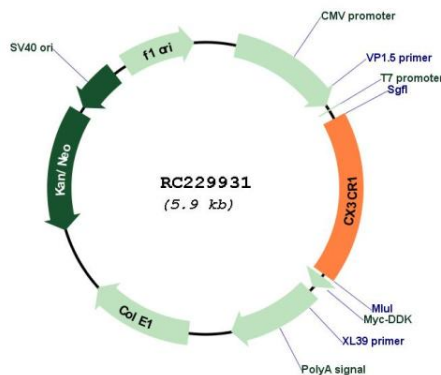
**Protein Families:** Druggable Genome, GPCR, Transmembrane

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

**MW:** 40.4 kDa

**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 RC229931