

Product datasheet for **RC207022**

CX3CR1 (NM_001337) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CX3CR1 (NM_001337) 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: >RC207022 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCAGTTCCTGAATCAGTGACAGAAAACCTTTGAGTACGATGATTTGGCTGAGGCCTGTTATATTG
GGGACATCGTGGTCTTTGGGACTGTGTTCTGTCCATATTCTACTCCGTCATCTTTGCCATTGGCCTGGT
GGGAAATTTGTTGGTAGTGTGGCCCTACCAACAGCAAGAAGCCCAAGAGTGTCACCGACATTTACCTC
CTGAACCTGGCCTTGCTGATCTGCTGTTGTAGCCACTTGGCCCTTCTGGACTCACTATTTGATAAATG
AAAAGGGCCTCCACAATGCCATGTGCAAATCACTACCGCCTTCTTTCATCGGCTTTTTTGGAAAGCAT
ATCTTTCATCACCGTCATCAGCATTGATAGGTACCTGGCCATCGTCTGGCCGCAACTCCATGAACAAC
CGGACCGTGCAGCATGGCGTCACCATCAGCCTAGGCGTCTGGGCAGCAGCCATTTTGGTGGCAGCACCCC
AGTTTCATGTTACAAAAGCAGAAAGAAAATGAATGCCTTGGTGACTACCCCGAGGTCTCCAGGAAATCTG
GCCCCGTGCTCCGCAATGTGGAACAAAATTTTCTGGCTTCTACTCCCCCTGCTCATTATGAGTTATTGC
TACTTCAGAATCATCCAGACGCTGTTTTCTGCAAGAACCACAAGAAAGCCAAAGCCATTAAGTATGATCC
TCTGGTGGTTCATCGTGTGTTTCTCTTCTGGACACCCACAACGTTATGATTTTCTGGAGACGCTTAA
GCTCTATGACTTCTTTCCAGTTGTGACATGAGGAAGGATCTGAGGCTGGCCCTCAGTGTGACTGAGACG
GTTGCATTTAGCATTGTTGCCTGAATCCTCTCATCTATGCATTTGCTGGGGAGAAGTTCAGAAGATACC
TTTACCACCTGTATGGAAATGCCTGGCTGCTGCTGTGGGCGCTCAGTCCACGTTGATTTCTCCTCATC
TGAATCACAAGGAGCAGGCATGGAAGTGTCTGAGCAGCAATTTACTTACCACACGAGTGATGGAGAT
GCATTGCTCCTTCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC207022 protein sequence
Red=Cloning site Green=Tags(s)

MDQFPESVTENFEYDDLAEACYIGDIVVFGTVFLSIFYSVIFAIGLVGNLLVVFALTNSKKPKSVTDIYL
 LNLALSDLLFVATLPFWTHYLINЕКLHNAMCKFTTAAFFIGFFGSIFFITVISIDRYLAIVLAANSMNN
 RTVQHGVITISLGVWAAAAILVAAPQFMFTKQKENECLGDYPEVLQEIWVPLRVNVTNFLGFLPLLSYIC
 YFRIIQTLFSCKNHKKAKAIKILLVVI VFFLFWTPYNVMI FLET LKLYDFFPSCDMRKDLRLALSVTET
 VAFSHCCLNPLIYAFAGEKFRRYLYHLYGKCLAVLCGRSVHVDVSSSESQSRHRGSVLSNFYHTSDGD
 ALLLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: 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_001337

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_001337.4](#)

RefSeq Size: 3108 bp

RefSeq ORF: 1068 bp

Locus ID: 1524

UniProt ID: [P49238](#)

Cytogenetics: 3p22.2

Domains: 7tm_1

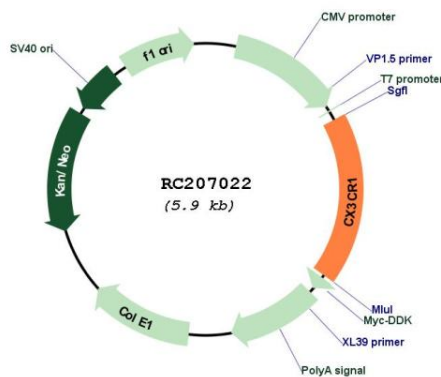
Protein Families: Druggable Genome, GPCR, Transmembrane

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 RC207022