

Product datasheet for **RC229930**

CX3CR1 (NM_001171171) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CX3CR1 (NM_001171171) 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:	>RC229930 representing NM_001171171 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCAGTTCCTGAATCAGTGACAGAAAACCTTTGAGTACGATGATTTGGCTGAGGCCTGTTATATTG
GGGACATCGTGGTCTTTGGGACTGTGTTCTGTCCATATTCTACTCCGTCATCTTTGCCATTGGCCTGGT
GGGAAATTTGTTGGTAGTGTGGCCCTACCAACAGCAAGAAGCCCAAGAGTGTCACCGACATTTACCTC
CTGAACCTGGCCTTGCTGATCTGCTGTTGTAGCCACTTGGCCCTTCTGGACTCACTATTTGATAAATG
AAAAGGGCCTCCACAATGCCATGTGCAAATTCCTACTCCGCTTCTTCTCATCGGCTTTTTTGAAGCAT
ATCTTTCATCACCGTCATCAGCATTGATAGGTACCTGGCCATCGTCCTGGCCGCAACTCCATGAACAAC
CGGACCGTGCAGCATGGCGTCACCATCAGCCTAGGCGTCTGGGCAGCAGCCATTTTGGTGGCAGCACCCC
AGTTTCATGTTCAAAAGCAGAAAGAAAATGAATGCCTTGGTGACTACCCCGAGGTCTCCAGGAAATCTG
GCCCCGTGCTCCGCAATGTGGAACAAAATTTTCTGGCTTCTACTCCCCCTGCTCATTATGAGTTATTGC
TACTTCAGAATCATCCAGACGCTGTTTTCTGCAAGAACCACAAGAAAGCCAAAGCCATTAAGTATGATCC
TTCTGGTGGTCATCGTGTTCCTCTTCTGGACACCCACAACGTTATGATTTTCTGGAGACGCTTAA
GCTCTATGACTTCTTTCCAGTTGTGACATGAGGAAGGATCTGAGGCTGGCCCTCAGTGTGACTGAGACG
GTTGCATTTAGCATTGTTGCCTGAATCCTCTCATCTATGCATTTGCTGGGGAGAAGTTCAAGATACC
TTTACCACCTGTATGGAAATGCCTGGCTGCTGCTGTGGGCGCTCAGTCCACGTTGATTTCTCCTCATC
TGAATCAAAAGGAGCAGGCATGGAAGTGTCTGAGCAGCAATTTACTTACCACACGAGTGATGGAGAT
GCATTGCTCCTTCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC229930 representing NM_001171171
Red=Cloning site Green=Tags(s)

MDQFPESVTENFEYDDLAEACYIGDIVVFGTVFLSIFYSVIFAIGLVGNLLVVFALTNKPKSVTDIYL
 LNLALSDLLFVATLPFWTHYLINЕКLHNAMCKFTTAAFFIGFFGSIFFITVISIDRYLAIVLAANSMMN
 RTVQHGVITISLGVWAAAAILVAAPQFMFTKQKENECLGDYPEVLQEIWVPLRVETNFLGFLPLLSIMSYC
 YFRIIQTLFSCKNHKKAKAIKILLVVI VFFLFWTPYNVMI FLET LKLYDFFPSCDMRKDLRLALSVTET
 VAFSHCCLNPLIYAFAGEKFRRYLYHLYGKCLAVLCGRSVHVDFSSSESQRSRHGSVLSNFYHTSDGD
 ALLLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1539_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001171171

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_001171171.1](#), [NP_001164642.1](#)

RefSeq ORF: 1068 bp

Locus ID: 1524

UniProt ID: [P49238](#)

Cytogenetics: 3p22.2

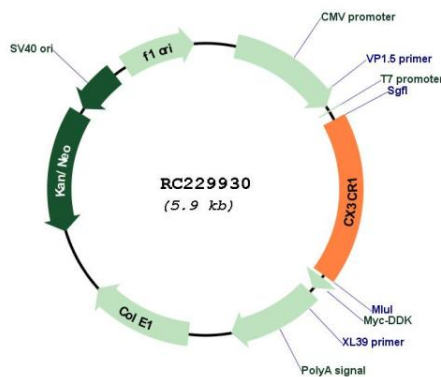
Protein Families: Druggable Genome, GPCR, Transmembrane

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

MW: 40.8 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 RC229930