

Product datasheet for **SC315995**

CX3CR1 (NM_001337) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CX3CR1 (NM_001337) Human Untagged Clone
Tag:	Tag Free
Symbol:	CX3CR1
Synonyms:	CCRL1; CMKBRL1; CMKDR1; GPR13; GPRV28; V28
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001337 edited ATGGATCAGTTCCTGAATCAGTGACAGAAAACCTTTGAGTACGATGATTTGGCTGAGGCC TGTTATATTGGGACATCGTGGTCTTTGGGACTGTGTTCTGTCCATATTCTACTCCGTC ATCTTTGCCATTGGCCTGGTGGGAAATTTGTTGGTAGTGTGGCCCTCACCAACAGCAAG AAGCCCAAGAGTGTACCGACATTTACCTCCTGAACCTGGCCTTGTCTGATCTGCTGTTT GTAGCCACTTTGCCCTTCTGGACTCACTATTTGATAAATGAAAAGGGCCTCCACAATGCC ATGTGCAAATTCACTACCGCCTTCTTCTCATCGGCTTTTTTGAAGCATATTCTTCATC ACCGTCATCAGCATTGATAGGTACCTGGCCATCGTCTGGCCGCAACTCCATGAACAAC CGGACCGTGCAGCATGGCGTCACCATCAGCCTAGGCGTCTGGGCAGCAGCCATTTGGTG GCAGACCCCAAGTTCATGTTACAAAAGCAGAAAGAAAATGAATGCCTTGGTGACTACCC GAGGTCTCCAGGAAATCTGGCCGTGCTCCGCAATGTGGAACAAATTTCTTGGCTTC CTACTCCCCTGCTCATTATGAGTTATTGCTACTTCAGAATCATCCAGACGCTGTTTTCC TGCAAGAACCACAAGAAAGCCAAAGCCATTAACCTGATCCTTCTGGTGGTCATCGTGTTT TTCTCTTCTGGACACCTACAACGTTATGATTTTCTGGAGACGCTTAAGCTCTATGAC TTCTTTCCAGTTGTGACATGAGGAAGGATCTGAGGCTGGCCCTCAGTGTGACTGAGACG GTTGCATTTAGCCATTGTTGCCTGAATCCTCTCATCTATGCATTTGCTGGGGAGAAGTTC AGAAGATACCTTTACCACCTGTATGGGAAATGCCTGGCTGTCTGTGTGGGCGCTCAGTC CACGTTGATTTCTCCTCATCTGAATCACAAAGGAGCAGGCATGGAAGTGTCTGAGCAGC AATTTTACTTACCACACGAGTGATGGAGATGCATTGCTCCTTCTCTGA
Restriction Sites:	NotI-NotI
ACCN:	NM_001337
Insert Size:	3100 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The open reading frame of this clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_001337.3.
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_001337.3</u> , <u>NP_001328.1</u>
RefSeq Size:	3108 bp
RefSeq ORF:	1068 bp
Locus ID:	1524
UniProt ID:	<u>P49238</u>
Cytogenetics:	3p22.2
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4, also known as V28) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2, 3, and 4 all encode the same isoform.</p>