

## Product datasheet for **SC108081**

### **CXADR (NM\_001338) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CXADR (NM_001338) Human Untagged Clone
Tag:	Tag Free
Symbol:	CXADR
Synonyms:	CAR; CAR4/6; HCAR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001338, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCTCCTGCTGTGCTTCGTGCTCCTGTGCGGAGTAGTGGATTCGCCAGAAGTTTGAGTATCACTA
CTCCTGAAGAGATGATTGAAAAAGCCAAAGGGGAACTGCCTATCTGCCATGCAAATTTACGCTTAGTCC
CGAAGACCAGGGACCGCTGGACATCGAGTGGCTGATATCACCAGCTGATAATCAGAAGGTGGATCAAGTG
ATTATTTTATATTCTGGAGACAAAATTTATGATGACTACTATCCAGATCTGAAAGGCCGAGTACATTTTA
CGAGTAATGATCTCAAATCTGGTATGCATCAATAAATGTAACGAATTTACAACGTGAGATATTGGCAC
ATATCAGTGCAAAGTGAAAAAGCTCCTGGTGTGCAAAATAAGAAGATTCATCTGGTAGTCTTGTAAAG
CCTTCAGGTGCGAGATGTTACGTTGATGGATCTGAAGAAATTGGAAGTGACTTTAAGATAAAATGTGAAC
CAAAAGAAGGTTCACTTCCATTACAGTATGAGTGGCAAAAATTGTCTGACTCACAGAAAATGCCCACTTC
ATGGTTAGCAGAAATGACTTCATCTGTTATATCTGTA AAAAATGCCTCTTCTGAGTACTCTGGGACATAC
AGCTGTACAGTCAGAAACAGAGTGGGCTCTGATCAGTGCCTGTTGCGTCTAAACGTTGTCCTCCTTCAA
ATAAAGCTGGACTAATTGCAGGAGCCATTATAGGAACTTTGCTTGCTCTAGCGCTCATTGGTCTTATCAT
CTTTTGCTGTGCGTAAAAAGCGCAGAGAAGAAAAATATGAAAAGGAAGTTCATCACGATATCAGGGAAGAT
GTGCCACCTCAAAGAGCCGTACGTCCACTGCCAGAAGCTACATCGGCAGTAATCATTATCCCTGGGGT
CCATGTCTCCTTCCAACATGGAAGGATATTCCAAGACTCAGTATAACCAAGTACCAAGTGAAGACTTTGA
ACGCACTCCTCAGAGTCCGACTCTCCACCTGCTAAGGTAGCTGCCCTAATCTAAGTCGAATGGGTGCG
ATTCTGTGATGATTCCAGCACAGAGCAAGGATGGGTCTATAGTATAG
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_001338 unedited  GATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGAGCCTGGGA  CCAGGAGCGAGAGCCGCCTACCTGCAGCCGCCGCCACGGCACGGCAGCCACCATGGCGC  TCCTGTGTGCTTCGTGCTCCTGTGCGGAGTAGTGGATTCGCCAGAAGTTTGAGTATCA  CTACTCCTGAAGAGATGATTGAAAAAGCCAAAGGGGAACTGCCTATCTGCCATGCAAAAT  TTACGCTTAGTCCCGAAGACCAGGGACCGCTGGACATCGAGTGGCTGATATCACCAGCTG  ATAATCAGAAGGTGGATCAAGTGATTATTTTATATTCTGGAGACAAAATTTATGATGACT  ACTATCCAGATCTGAAAGGCCGAGTACATTTTACGAGTAATGATCTCAAATCTGGTGATG  CATCAATAAATGTAACGAATTTACAACCTGCAGATATTGGCACATATCAGTGCAAAGTGA  AAAAAGCTCCTGGTGTGCAAATAAGAAGATTCATCTGGTAGTCTTGTTAAGCCTTCAG  GTGCGAGATGTTACGTTGATGGATCTGAAGAAATTGGAAGTGACTTTAAGATAAAATGTG  AACCAAAAGAAGTTCACTTCCATTACAGTATGAGTGGCAAAAATGTCTGACTCACAGA  AAATGCCACTTCATGGTTAGCAGAAATGACTTCATCTGTTATATCTGTAATAAAATGCCT  CTTCTGAGTACTCTGGGACATACAGCTGTACAGTCAGAAACAGAGTGGGCTCTGATCAGT  GCCTGTTGCGTCTAAACGNTGTCCCTTCTCAATAAAGCTGGACTAANNTGCAGAGCCCA  TTATAGAACTTTGCTTGCTCTAGCGCTCATGGNNCTATCATCTTTTGTGTCGNAAN</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_001338 unedited  CTATGAAACGCGGCACGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTAAAA  TAAATCACCTTCACAAAATAAGACAACTTTTTCAAAGCTCAGTTGATTTGCTGGAAC  TACACAGAGACATGTTTGATCACACAACAGCAACTGTACATCCTCCCAAGTCTGGAATAC  AGAATTGATGGAGACACTTAACTTGCTTAAAAATGATTTGATTATTCTGCATTTATGAT  AAAAAATATCATCCAGGGATTATATTCAAGAGGGTAAATTTAGGATTACATGTTTCTAGA  ACATATAATATGTAACACCATCCAAAAACAACAACATAAAGCACTGGAACCAAGAA  CCACTTAAAAATTTAGAATAAATAGGAAATTTCAATCTATAAGTGCAAAACAACAATGA  GTTATAATATTTTTCTAATAAGAAAAATATCACCTGGGAACTATGAGATACTACATCCTT  GATCTGGCTGGCCACCATTTTTGAAGACCACCACAGATCTCAAGGCATGAGACTACTCACC  AACAAAATCTATCCCTGCTATTGCACCTAGTGTCTCAATATGTGGCTGACAGCAAAT  GTTCTAACTTAATCTGATAGATGCTCCTTTAGCATATAAAGAGCTTGCTAAGTCCCTAT  TACCTGTAGCAGTCTATCAACTAAATATTTAAGAAGCCATTTCTAGACAAGGTTTATGA  ATGACTTATAACTAAAAATTAATAATTTCTAAACCACTGGACTGTTTTCTATGCTTTTAA  AATATCCCAAACAAAAGTTTTAAAGGAGCCGTAACCCAGTCCAAACTCCGAAGTTAT  TTTGCAATGGTATTCTCGTCCAAATCGGGGGGAGACCGCGCGGCCCTACTAATGAAATA  CCCTCCTAANATTAGGTCTAAAAGATCCAGCCCTTCTATTAGGGTATCAACTGTTATCT  CGGTCGAATTATCTCCCCGCTCCTCCCCAA</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001338
<b>Insert Size:</b>	2820 bp
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_001338.3</a> , <a href="#">NP_001329.1</a>
<b>RefSeq Size:</b>	2492 bp
<b>RefSeq ORF:</b>	1098 bp
<b>Locus ID:</b>	1525
<b>UniProt ID:</b>	<a href="#">P78310</a>
<b>Cytogenetics:</b>	21q21.1
<b>Domains:</b>	ig, IGv, IGc2, IG
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency, Transmembrane
<b>Protein Pathways:</b>	Viral myocarditis
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a type I membrane receptor for group B coxsackieviruses and subgroup C adenoviruses. Several transcript variants encoding different isoforms have been found for this gene. Pseudogenes of this gene are found on chromosomes 15, 18, and 21. [provided by RefSeq, May 2011]</p> <p>Transcript Variant: This variant (1, alternatively referred to as alpha or CAREx7) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>