

Product datasheet for **SC322234**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322234
 CGCCGCCGCGAGCCAGTCGGGAGCGCGCAGGCGCGGGGAGCCTGGGACCAGGAGCGAGA
 GCCGCCTACCTGCAGCCGCCGCCACGGCAGCCAGCCACCATGGCGCTCCTGCTGTGCT
 TCGTGTCTCTGTGCGGAGTAGTGGATTTTCGCCAGAAGTTTGAGTATCACTACTCCTGAAG
 AGATGATTGAAAAAGCCAAAGGGGAAACTGCCTATCTGCCGTGCAAAATTTACGCTTAGTC
 CCGAAGACCAGGGACCGCTGGACATCGAGTGGCTGATATCACCAGCTGATAATCAGAAGG
 TGGATCAAGTGATTATTTTATATTCTGGAGACAAAATTTATGATGACTACTATCCAGATC
 TGAAGGCCGAGTACATTTTACGAGTAATGATCTCAAATCTGGTATGCATCAATAAATG
 TAACGAATTTACAAGTGTGAGATATTGGCACATATCAGTGCAAAGTGAAAAAGCTCCTG
 GTGTTGCAAAATAAGAAGATTCATCTGGTAGTTCTTGTTAAGCCTTCAGGTGCGAGATGTT
 ACGTTGATGGATCTGAAGAAATTGGAAGTACTTTAAGATAAAATGTGAACCAAAAGAAG
 GTTCACCTCCATTACAGTATGAGTGGCAAAAATGTCTGACTCACAGAAAATGCCCACTT
 CATGGTTAGCAGAAATGACTTCATCTGTTATATCTGTAAAAATGCCTCTTCTGAGTACT
 CTGGGACATACAGCTGTACAGTCAGAAACAGAGTGGGCTCTGATCAGTGCCTGTTGCGTC
 TAAACGTTGTCCCTCCTCAAATAAAGCTGGACTAATTGCAGGAGCCATTATAGGAACTT
 TGCTTGCTCTAGCGCTCATTGGTCTTATCATCTTTTGTGTCGTAAAAAGCGCAGAGAAG
 AAAAAATGAAAAAGGAAGTTCATCACGATATCAGGGAAGATGTGCCACCTCCAAAGAGCC
 GTACGTCCACTGCCAGAAGCTACATCGGCAGTAATCATTATCCCTGGGGTCCATGTCTC
 CTTCCAACATGGAAGGATATCCAAAGACTCAGTATAACCAAGTACCAAGTGAAGACTTTG
 AACGCACTCCTCAGAGTCCGACTCTCCACCTGCTAAGGTAGCTGCCCTAATCTAAGTC
 GAATGGGTGCGATTCTGTGATGATTCCAGCACAGAGCAAGGATGGGTCTATAGTATAGA
 GCCTCCATATGTCTCATCTGTGCTCTCCGTGTTCTTTCTTTTTTATATATGAAAAC
 CTATTCTGGTCTAAATTTGTTACTAGCCTCAAATACATCAAAAATAAGTTAATCAGG
 AACTGTACGGAATATATTTTTAAAAATTTTTGTTGGTTATATCGAAATAGTTACAGGCA
 CTAAGGTTAGTAAAGAAAAGTTTACCATCTGAAAAAGCTGGATTTTCTTAAAGAGTTGA
 TTATAAAGTTTTCTAAATTTATCAGTACCTAAGTAAGATGTAGCGCTTTGAATATGAAAT
 CATAGGTGAAGACATGGGTGAACCTACTTGCATACCAAGTTGATACTTGAATAACCATCT
 GAAAGTGGTACTTGATCATTTTTACCATTATTTTTAGGATGTGTATTTTCTTTATTTATG
 GCCCACCAGTCTCCCCAAATTAGTACAGAAATATCCATGACAAAATTACTTACGTATGT
 TTGTACTTGGTTTTACAGCTCCTTTGAAAACCTGTGTTTGAATATCTCAAAAAACATA
 GAAAACACTACAGTGGTTTAGAAAATTAATAATTTACTTCTAAGTCATTACATAAACCTTG
 TCTATGAAATGACTTCTTAAATATTTAGTTGATAGACTGTACAGGTAATAGGGACTTAG
 CAAGCTCTTTTATATGCTAAAGGAGCATCTATCAGATTAAAGTTAGAACATTTGCTGTCAG
 CCACATATTGAGATGACACTAGGTGCAATAGCAGGGATAGATTTTGTGGTGAGTAGTCT
 CATGCCTTGAGATCTGTGGTGGTCTTCAAAATGGTGGCCAGCCAGATCAAGGATGTAGTA
 TCTCATAGTTCACAGGTGATATTTTTCTTATTAGAAAAATATTATAACTCATTGTTGTT
 TGACACTTATAGATTGAAATTTCTAATTTATTCTAAATTTAAGTGGTCTTTGTTCC
 TAATCCTAAATTTACCCTCTTGAATATAATCCCTGGATGATATTTTTATCATAAATGCA
 GAATAATCAAATACATTTTAAGCAAGTTAAGTGTCTCCATCAATTCTGTATTCCAGACT
 TGGGAGGATGTACAGTTGCTGTTGTGTGATCAAACATGTCTCTGTGATGTTCCAGCAAAT
 CAAGCTGAGCTTTGAAAAAGTTTGTCTTGTGTTTGTGAAAGGTGATTTATTCTTAAAAAAA
 AA
 AAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001338

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001338.3</u> , <u>NP_001329.1</u>
RefSeq Size:	2492 bp
RefSeq ORF:	1098 bp
Locus ID:	1525
UniProt ID:	<u>P78310</u>
Cytogenetics:	21q21.1
Domains:	ig, IGv, IGc2, IG
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transmembrane
Protein Pathways:	Viral myocarditis
Gene Summary:	<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>