

Product datasheet for RC232096

CXADR (NM_001207064) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CXADR (NM_001207064) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CXADR
Synonyms: CAR; CAR4/6; HCAR
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC232096 representing NM_001207064
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGCTCTGTGCTTCTGTGCTCCTGTGCGGAGTAGTGGATTCGCCAGAAGTTTGAGTATCACTA
 CTCCTGAAGAGATGATTGAAAAAGCCAAAGGGGAACTGCCTATCTGCCATGCAAATTTACGCTTAGTCC
 CGAAGACCAGGGACCGCTGGACATCGAGTGGCTGATATCACCAGCTGATAATCAGAAGGTGGATCAAGTG
 ATTATTTTATATTCTGGAGACAAAATTTATGATGACTACTATCCAGATCTGAAAGCCGAGTACATTTTA
 CGAGTAATGATCTCAAATCTGGTATGCATCAATAAATGTAACGAATTTACAAGTGCAGATATTGGCAC
 ATATCAGTGCAAAGTAAAAAGCTCCTGGTGTGCAAATAAGAAGATTCATCTGGTAGTTCTTGGGAAG
 ATGTGCCACCTCCAAAGAGCCGTACGTCCACTGCCAGAAGCTACATCGGCAGTAATCATTATCCCTGGG
 GTCCATGTCTCCTTCCAACATGGAAGGATATCCAAGACTCAGTATAACCAAGTACCAAGTGAAGACTTT
 GAACGCACTCCTCAGAGTCCGACTCTCCACCTGCTAAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC232096 representing NM_001207064
 Red=Cloning site Green=Tags(s)

MALLLCFVLLCGVVDFARSLSTITPEEMIEKAKGETAYLPCKFTLSPEDQGPLDIEWLISPADNQKVDQV
 IILYSGDKIYDDYYPDLKGRVHFTSNDLKSVDASINVTNLQLSDIGTYQCKVKKAPGVANKKIHLVVLGK
 MCHLQRAVRPLPEATSAVIIHPWGPCLLPTWKDIPRLSITKYQVKTNLALLRVRLSHLLR

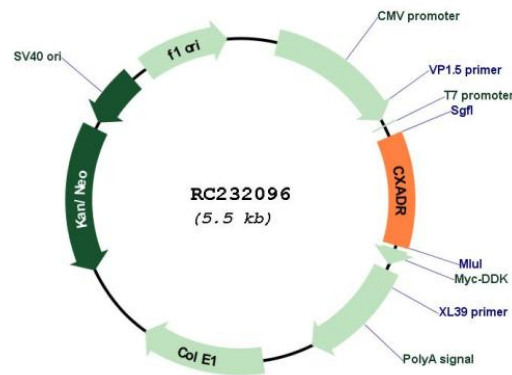
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001207064

ORF Size: 600 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_001207064.2](#)

RefSeq Size: 5326 bp

RefSeq ORF: 603 bp

Locus ID: 1525

UniProt ID: [P78310](#)

Cytogenetics: 21q21.1

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transmembrane

Protein Pathways: Viral myocarditis

MW: 22.8 kDa

Gene Summary: 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]