

Product datasheet for MR228238

Cxadr (NM_001276263) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cxadr (NM_001276263) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cxadr
Synonyms: 2610206D03Rik; AU016810; AW553441; C; CAR; MC; MCAR; MCV; MCVADR
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228238 representing NM_001276263
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCGCTACTGTGCTTCGTGCTCTTGTCGGGATCGCGGATTTACCAGTGGTTTGAGCATCACTA
 CACCCGAACAGAGGATCGAAAAAGCCAAAGGGGAACTGCGTATCTACCATGCAAGTTTACTCTCAGTCC
 CGAAGACCAGGGACCACTGGACATTGAATGGCTGATATCCCCGTCTGATAACCAGATAGTGGATCAAGTG
 ATCATTTTGTATTCTGGAGACAAAATTTATGATAACTACTATCCGGATCTGAAAGGACGGGTACATTTTA
 CGAGTAACGATGTCAAGTCTGGCAGCATCTATAAATGTGACCAACCTGCAGCTGTCGGACATTGGCAC
 TTACCAGTGCAAAGTGAAGAAAGCCCCTGGGGTTGCAAATAAGAAATTCCTGCTGACCGTTCTTGTTAAG
 TCATCGTTCCTATTATCCACAGGGGTGGAGTGGGGTGGGGTGGCGGAGTTACAAGGTGCCAGGGAAGGTG
 GC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228238 representing NM_001276263
 Red=Cloning site Green=Tags(s)

MARLLCFVLLCGIADFTSGLSITTPAQRIEKAKGETAYLPCKFTLSPEDQGPLDIEWLISPSDNQIVDQV
 IILYSGDKIYDNYYPDLKGRVHFTSNDVKSVDASINVTNLQLSDIGTYQCKVKKAPGVANKKFLTLVGLK
 SSFLLSTGVEWGGGAELQGGREGG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

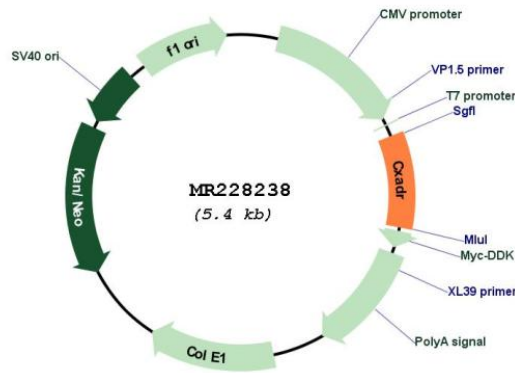


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_001276263

ORF Size: 492 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:	<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_001276263.1</u> , <u>NP_001263192.1</u>
RefSeq Size:	1386 bp
RefSeq ORF:	495 bp
Locus ID:	13052
UniProt ID:	<u>P97792</u>
Cytogenetics:	16 C3.1
MW:	18.2 kDa
Gene Summary:	This gene encodes a protein that is part of the Cortical Thymocyte marker in Xenopus (CTX) subfamily within the immunoglobulin superfamily. Members of this subfamily, predominantly expressed on the surface of endothelial and epithelial cells, help establish cell polarity and provide a barrier function, regulating migration of immune cells. This protein, first identified as the receptor for adenovirus subgroup C and coxsakieviruses group B, is developmentally regulated and plays an important role in cardiac development. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jan 2013]