

Product datasheet for **MR205349**

Cxadr (NM_009988) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cxadr (NM_009988) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cxadr
Synonyms:	2610206D03Rik; AU016810; AW553441; C; CAR; MC; MCAR; MCV; MCVADR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205349 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGCCTACTGTGCTTCGTGCTCTTGTGCGGGATCGCGGATTTACCAGTGGTTTGAGCATCACTA
CACCCGAACAGAGGATCGAAAAAGCCAAAGGGGAACTGCGTATCTACCATGCAAGTTTACTCTCAGTCC
CGAAGACCAGGGACCACTGGACATTGAATGGCTGATATCCCCGTCTGATAACCAGATAGTGGATCAAGTG
ATCATTTTGTATTCTGGAGACAAAATTTATGATAACTACTATCCGGATCTGAAAGGACGGGTACATTTTA
CGAGTAACGATGTCAAGTCTGGCGACGCATCTATAAATGTGACCAACCTGCAGCTGTCGGACATTGGCAC
TTACCAGTGCAAAGTGAAGAAAGCCCCTGGGGTTGCAAATAAGAAATTCCTGCTGACCGTCTTGTTAAG
CCTTCAGGTACAAGATGCTTCGTGGATGGATCGGAAGAGATTGGAATGACTTCAAGCTAAAATGTGAAC
CCAAGGAAGGCTCCCTTCCACTACAGTTTGAATGGCAGAACTGTCCGACTCCCAGACAATGCCTACGCC
ATGGCTGGCAGAAATGACGTCACCAAGTTATATCTGTGAAGAACGCCAGTTCTGAGTATTCTGGGACATAC
AGCTGCACGGTTCAAACAGAGTGGGCTCTGACCAGTGTATGCTGCGACTAGACGTTGTCCCACCCCTCCA
ACCGAGCCGGAACGATCGCGGGCGCCGTCATAGGGACGCTGCTGGCCCTTGTGCTCATCGGGCCATCCT
CTTCTGCTGTACAGGAAACGCAGAGAAGAGAAGTACGAGAAGGAAGTTCATCATGATATCAGGGAAGAT
GTGCCCTCCTCAAAGAGTCCGACATCCACTGCCAGGAGCTATTGGCAGCAACCAATTCCTCCCTGGGAT
CCATGTCCCCTTAACATGGAGGGTATTCCAAGACGAGTATAACCAAGTCCCAGTGAAGACTTTGA
ACGTGCGCCTCAGAGCCCAGCTCTGGCACCCGCTAAGTTCAAGTACGCTTACAAGACCGATGCATTACA
GTGGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR205349 protein sequence
Red=Cloning site Green=Tags(s)

MARLLCFVLLCGIADFTSGLSITTPQRIEKAKGETAYLPCKFTLSPEDQGPLDIEWLISPSDNQIVDQV
 IILYSGDKIYDNYYPDLKGRVHFTSNDVKSGDASINVTNLQLSDIGTYQCKVKKAPGVANKKFLFTVLVK
 PSGTRCFVDGSEEIGNDFKLKCEPKESLPLQFEWQKLSDSQTMPTPWLAEAMTSPVISVKNASSEYSPTY
 SCTVQNRVGSQCMRLRLDVPPSNRAGTIAGAVIGTLLALVLIGAILFCCHRKRREEKEYEVEVHDIRED
 VPPPKSRTSTARSYIGSNHSSLGSMSPSNMEGYSKTQYNQVPSEDFERAPQSPTLAPAKFKYAYKTDGIT
 VV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009988

ORF Size: 1059 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_009988.4](#)

RefSeq Size: 1753 bp

RefSeq ORF: 1059 bp

Locus ID: 13052

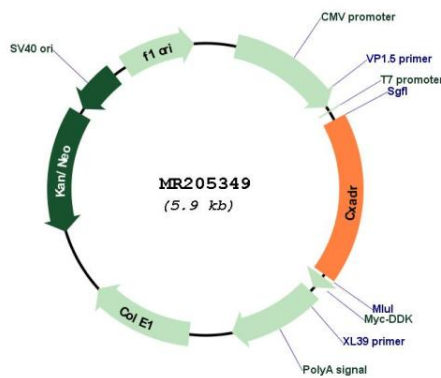
UniProt ID: [P97792](#)

Cytogenetics: 16 C3.1

MW: 38.8 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]

Product images:



Circular map for MR205349