

## Product datasheet for **MG227452**

### Cxadr (NM\_001025192) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cxadr (NM_001025192) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cxadr
Synonyms:	2610206D03Rik; AU016810; AW553441; C; CAR; MC; MCAR; MCV; MCVADR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227452 representing NM_001025192 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCGCCTACTGTGCTTCGTGCTCTTGTCGGGATCGCGGATTTACCAGTGGTTTGAGCATCACTA  
CACCCGAACAGAGGATCGAAAAAGCCAAAGGGGAACTGCGTATCTACCATGCAAGTTTACTCTCAGTCC  
CGAAGACCAGGGACCACTGGACATTGAATGGCTGATATCCCCGTCTGATAACCAGATAGTGGATCAAGTG  
ATCATTTTGTATTCTGGAGACAAAATTTATGATAACTACTATCCGGATCTGAAAGGACGGGTACATTTTA  
CGAGTAACGATGTCAAGTCTGGCGACGCATCTATAAATGTGACCAACCTGCAGCTGTCGGACATTGGCAC  
TTACCAGTGCAAAGTGAAGAAAGCCCCTGGGGTTCGAAATAAGAAATTCCTGCTGACCGTCTTGTTAAG  
CCTTCAGGTACAAGATGCTTCGTGGATGGATCGGAAGAGATTGGAATGACTTCAAGCTAAAATGTGAAC  
CCAAGGAAGGCTCCCTTCCACTACAGTTTGAATGGCAGAACTGTCCGACTCCCAGACAATGCCTACGCC  
ATGGCTGGCAGAAATGACGTCACCAAGTTATCTGTGAAGAACGCCAGTTCTGAGTATTCTGGGACATAC  
AGCTGCACGGTTCAAACAGAGTGGGCTCTGACCAGTGTATGCTGCGACTAGACGTTGTCCCACCCCTCCA  
ACCGAGCCGGAACGATCGCGGGCGCCGTCATAGGGACGCTGCTGGCCCTTGCTCATCGGGCCATCCT  
CTTCTGCTGTACAGGAAACGCAGAGAAGAGAAGTACGAGAAGGAAGTTCATCATGATATCAGGGAAGAT  
GTGCCCTCCTCAAAGAGTCCGACATCCACTGCCAGGAGCTATTGGCAGCAACCATTCCCTCCCTGGGAT  
CCATGTCCCCTTAACATGGAGGGTATTCCAAGACGAGTATAACCAAGTCCCAGTGAAGACTTTGA  
ACGTGCGCCTCAGAGCCCGACTCTGGCACCCGCTAAGGTAGCTGCCCTAATCTCAGTCGAATGGGAGCG  
GTTCTGTGATGATTCCTGCACAGCAAGGACGGGTCTATAGTA

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG227452 representing NM\_001025192  
Red=Cloning site Green=Tags(s)

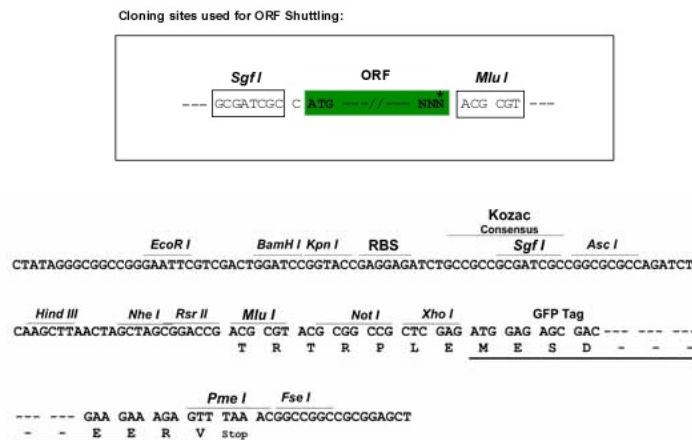
MARLLCFVLLCGIADFTSGLSITTPEQRIEKAKGETAYLPCKFTLSPEDQGPLDIEWLISPSDNQIVDQV  
 IILYSGDKIYDNYYPDLKGRVHFTSNDVKSGDASINVTNLQLSDIGTYQCKVKKAPGVANKKFLLTVLVK  
 PSGTRCFVDGSEEIGNDFKLKCEPKESLPLQFEWQKLSDSQTMPTPWLAEMTSPVISVKNASSEYSPTY  
 SCTVQNRVGSQCMRLRDVVPPSNRAGTIAGAVIGTLLALVLIGAILFCCHRKRREEKYEKEVHHDIRE  
 VPPPKSRTSTARSYIGSNHSSLGSMSPSNMEGYSKTQYNQVPSEDFERAPQSPTLAPAKVAAPNLSRMGA  
 VPMIPAQSKDGSIV

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1700\\_a10.zip](https://cdn.origene.com/chromatograms/ja1700_a10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001025192

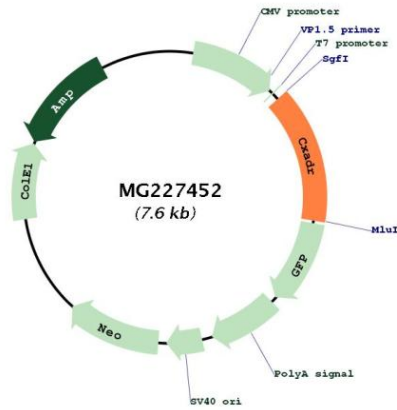
**ORF Size:** 1095 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001025192.3</a>
<b>RefSeq Size:</b>	5538 bp
<b>RefSeq ORF:</b>	1098 bp
<b>Locus ID:</b>	13052
<b>UniProt ID:</b>	<a href="#">P97792</a>
<b>Cytogenetics:</b>	16 C3.1
<b>Gene Summary:</b>	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 MG227452