

Product datasheet for **RG232288**

CXADR (NM_001207063) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CXADR (NM_001207063) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CXADR
Synonyms:	CAR; CAR4/6; HCAR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG232288 representing NM_001207063 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTCCTGCTGTGCTTCGTGCTCCTGTGCGGAGTAGTGGATTTGCCAGAAGTTTGTAGTATCACTA
CTCCTGAAGAGATGATTGAAAAAGCCAAAGGGGAACTGCCTATCTGCCATGCAAATTTACGCTTAGTCC
CGAAGACCAGGGACCGCTGGACATCGAGTGGCTGATATCACCAGCTGATAATCAGAAGGTGGATCAAGTG
ATTATTTTATATCTGGAGACAAAATTTATGATGACTACTATCCAGATCTGAAAGGCCGAGTACATTTTA
CGAGTAATGATCTCAAATCTGGTATGCATCAATAAATGTAACGAATTTACAAGTGTGAGATATTGGCAC
ATATCAGTGCAAAGTGAAAAAGCTCCTGGTGTGCAAATAAGAAGATTCATCTGGTAGTTCTTGTAAAG
CCTTCAGGTGCGAGATGTTACGTTGATGGATCTGAAGAAATGGAAGTGACTTTAAGATAAAATGTGAAC
CAAAGAAGGTTCACTTCCATTACAGTATGAGTGGCAAATTTGTCTGACTCACAGAAAATGCCACTTTC
ATGGTTAGCAGGGAAGATGTGCCACCTCCAAGAGCCGTACGTCCACTGCCAGAAGCTACATCGGCAGTA
ATCATTTCATCCCTGGGTCCATGTCTCCTTCCAACATGGAAGGATATTCCAAGACTCAGTATAACCAAGT
ACCAAGTGAAGACTTTGAACGCACTCCTCAGAGTCCGACTCTCCACCTGCTAAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232288 representing NM_001207063
Red=Cloning site Green=Tags(s)

MALLLCFVLLCGVVDFARSLSTITPEEMIEKAKGETAYLPCKFTLSPEDQGPLDIEWLISPADNQKVDQV
 IILYSGDKIYDDYYPDLKGRVHFTSNDLKSGDASINVTNLQLSDIGTYQCKVKKAPGVANKKIHLVVLVK
 PSGARCYVDGSEEIGSDFKIKCEPKESLPLQYEWQKLSDSQKMP TSWLAGKMCHLQRAVRPLPEATSAV
 I IHPWGPCLLPWKDIPRLSITKYQVKTNLNALLRVRLSHLLR

TRTRPLE - GFP Tag - V

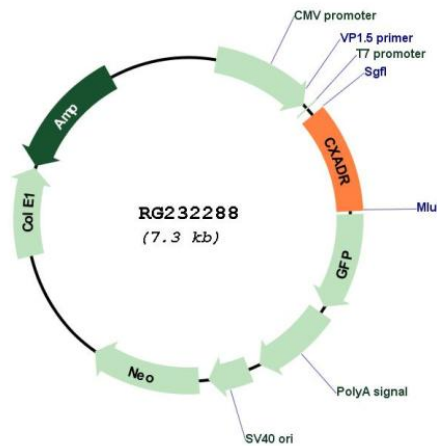
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001207063

ORF Size: 756 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:	NM_001207063.2
RefSeq Size:	5482 bp
RefSeq ORF:	759 bp
Locus ID:	1525
UniProt ID:	P78310
Cytogenetics:	21q21.1
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transmembrane
Protein Pathways:	Viral myocarditis
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]