

Product datasheet for **RG232555**

CXADR (NM_001207066) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CXADR (NM_001207066) 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:	>RG232555 representing NM_001207066 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTCCTGCTGTGCTTCGTGCTCCTGTGCGGAGTAGTGGATTTCCGCCAGAAGTTTGAGTATCACTA
CTCCTGAAGAGATGATTGAAAAAGCCAAAGGGGAACTGCCTATCTGCCATGCAAATTTACGCTTAGTCC
CGAAGACCAGGGACCGCTGGACATCGAGTGGCTGATATCACCAGCTGATAATCAGAAGGTGGATCAAGTG
ATTATTTTATATCTGGAGACAAAATTTATGATGACTACTATCCAGATCTGAAAGGCCGAGTACATTTTA
CGAGTAATGATCTCAAATCTGGTATGCATCAATAAATGTAACGAATTTACAAGTGTGAGATATTGGCAC
ATATCAGTGCAAAGTGAAAAAGCTCCTGGTGTTCGCAAAATAAGAAGATTCATCTGGTAGTCTTGTAAAG
CCTTCAGGTGCGAGATGTTACGTTGATGGATCTGAAGAAATGGAAAGTACTTTAAGATAAAATGTGAAC
CAAAGAAGGTTCACTTCCATTACAGTATGAGTGGCAAAAATGTCTGACTCACAGAAAATGCCCACTTC
ATGGTTAGCAGAAATGACTTCATCTGTTATATCTGTAAAAATGCCTCTTCTGAGTACTCTGGGACATAC
AGCTGTACAGTCAGAAACAGAGTGGGCTCTGATCAGTGCCTGTTGCGTCTAAACGTTGTCCCTCCTTCAA
ATAAAGCTGGACTAATTGCAGGAGCCATTATAGGAACCTTGTCTGCTCTAGCGCTCATTGGTCTTATCAT
CTTTTGTGTGTAATAAGCGCAGAGAAGAAAAATATGAAAAGGAAGTTCATCACGATATCAGGGAAGAT
GTGCCACCTCAAAGAGCCGACGTCCACTGCCAGAAGCTACATCGGCAGTAATCATTATCCCTGGGGT
CCATGTCTCCTTCCAACATGGAAGGATATTCCAAGACTCAGTATAACCAAGTACCAAGTGAAGACTTTGA
ACGCACTCCTCAGAGTCCGACTCTCCACCTGCTAAGTTCAAGTACCCTTACAAGACTGATGGAATTACA
GTTGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232555 representing NM_001207066
Red=Cloning site Green=Tags(s)

MALLLCFVLLCGVVDFARSLSITPEEMIEKAKGETAYLPCKFTLSPEDQGPLDIEWLISPADNQKVDQV
 IILYSGDKIYDDYYPDLKGRVHFTSNDLKSGDASINVTNLQLSDIGTYQCKVKKAPGVANKKIHLVVLVK
 PSGARCYVDGSEEIGSDFKIKCEPKEGSLPLQYEWQKLSDSQKMPTSWLAEMTSSVISVKNASSEYSGTY
 SCTVRNRVGSQCLLRNLNVPPSNKAGLIAGAIIGTLLALALIGLIIFCCRKKRREEKEYEVEVHDIRED
 VPPPKSRTSTARSYIGSNHSSLGSMSPSNMEGYSKTQYNQVPSSEDFERTPQSPTLPPAKFKYPYKTDGIT
 VV

TRTRPLE - GFP Tag - V

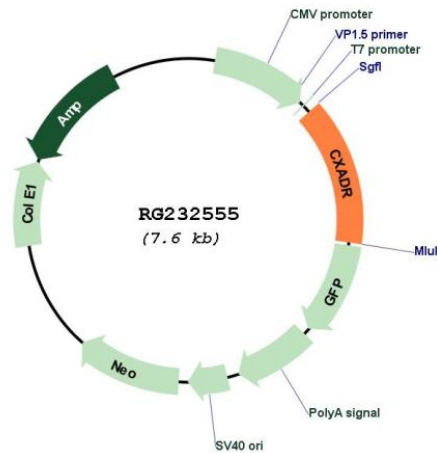
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001207066

ORF Size:	1056 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_001207066.1 , NP_001193995.1
RefSeq Size:	1669 bp
RefSeq ORF:	1059 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]