

Product datasheet for **RG201564**

CXADR (NM_001338) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CXADR (NM_001338) 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:	>RG201564 representing NM_001338 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTCCTGTGCTTCGTGCTCCTGTGCGGAGTAGTGGATTTCCGCCAGAAGTTTGAGTATCACTA
CTCCTGAAGAGATGATTGAAAAAGCCAAAGGGGAACTGCCTATCTGCCGTGCAAATTTACGCTTAGTCC
CGAAGACCAGGGACCGCTGGACATCGAGTGGCTGATATCACCAGCTGATAATCAGAAGGTGGATCAAGTG
ATTATTTTATATCTGGAGACAAAATTTATGATGACTACTATCCAGATCTGAAAGGCCGAGTACATTTTA
CGAGTAATGATCTCAAATCTGGTATGCATCAATAAATGTAACGAATTTACAAGTGCAGATATTGGCAC
ATATCAGTGCAAAGTAAAAAGCTCCTGGTGTGCAAATAAGAAGATTCATCTGGTAGTCTTGTGTTAAG
CCTTCAGGTGCGAGATGTTACGTTGATGGATCTGAAGAAATGGAAGTGACTTTAAGATAAAATGTGAAC
CAAAGAAGGTTCACTTCCATTACAGTATGAGTGGCAAATTTGTCTGACTCACAGAAAATGCCCACTTC
ATGGTTAGCAGAAATGACTTCATCTGTTATATCTGTAAAAATGCCTCTTCTGAGTACTCTGGGACATAC
AGCTGTACAGTCAGAAACAGAGTGGCTCTGATCAGTGCCTGTTGCGTCTAAACGTTGTCCTCCTTCAA
ATAAAGCTGGACTAATTGCAGGAGCCATTATAGGAATTTGCTTGCTCTAGCGCTCATTGGTCTTATCAT
CTTTTGTGTGTAATAAGCGCAGAGAAGAAAAATATGAAAAGGAAGTTCATCACGATATCAGGGAAGAT
GTGCCACCTCAAAGAGCCGTACGTCCACTGCCAGAAGCTACATCGGCAGTAATCATTTCCTCCCTGGGGT
CCATGTCTCCTTCAACATGGAAGGATATTCCAAGACTCAGTATAACCAAGTACCAAGTGAAGACTTTGA
ACGCACTCCTCAGAGTCCGACTCTCCACCTGCTAAGGTAGCTGCCCTAATCTAAGTCGAATGGGTGCG
ATTCCTGTGATGATTCCAGCACAGAGCAAGGATGGGTCTATAGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201564 representing NM_001338
 Red=Cloning site Green=Tags(s)

MALLLCFVLLCGVVDFARSLSITPEEMIEKAKGETAYLPCKFTLSPEDQGPLDIEWLISPADNQKVDQV
 IILYSGDKIYDDYYPDLKGRVHFTSNDLKSGDASINVTNLQLSDIGTYQCKVKKAPGVANKKIHLVVLVK
 PSGARCYVDGSEEIGSDFKIKCEPKEGSLPLQYEWQKLSDSQKMPTSWLAEMTSSVISVKNASSEYSPTY
 SCTVRNRVGSQCLLRNLNVPPSNKAGLIAGAIIGTLLALALIGLIIFCCRKKRREEKYEVHHDIRE
 VPPPKSRTSTARSYIGSNHSSLGSMSPSNMEGYSKTQYNQVPSEDFERTPQSPTLPPAKVAAPNLSRMGA
 IPVMIPAQSKDGSIV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001338

ORF Size: 1095 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_001338.2](#)

RefSeq Size: 2492 bp

RefSeq ORF: 1098 bp

Locus ID: 1525

UniProt ID: [P78310](#)

Cytogenetics: 21q21.1

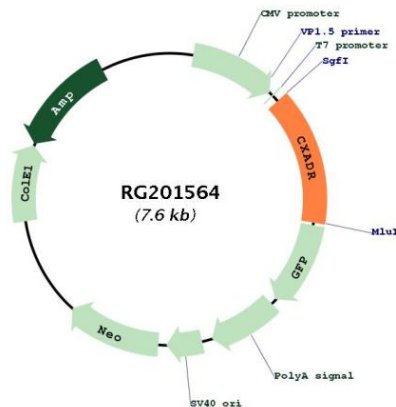
Domains: ig, IGv, IGc2, IG

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]

Product images:



Circular map for RG201564