

Product datasheet for **MG207484**

Adcyap1r1 (BC067039) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adcyap1r1 (BC067039) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adcyap1r1
Synonyms:	PAC1, PACAP1-R, PAC1R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207484 representing BC067039
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGAACCCTGCAGCTCTCCCTGACTGCTCTCCTCTGCTGCCTATGGCTATTGCTATGCACTCTG
 ACTGCATCTTCAAGAAGGAGCAAGCCATGTGCCTGGAGAGGATCCAGAGGGCCAACGACCTGATGGGCCT
 AAATGAGTCTTCCCCAGTTGCCCTGGCATGTGGGACAATATCACATGTTGGAAGCCTGCTCAAATAGGT
 GAGATGGTCTTGTGAGCTGCCCTGAGGTCTTCCGGATCTTCAACCCGGACCAAGCTGGATGACAGAAA
 CCATAGGGGATTCTGGCTTTGCTGATAGTAATTCCTTGGAGATCACAGACATGGGGTCTGGGCCGAA
 CTGCACTGAGGATGGCTGGTCCGAGCCCTTCCCCATTACTTCGATGCTTGTGGGTTTGATGACTATGAG
 CCCGAGTCTGGGATCAGGATTACTACCTGTCGGTGAAGGCCCTCTACACAGTCGGCTACAGCACCT
 CCCTCGTACCCTCACCCTGCCATGGTCATCTTGTGCCGCTCCGGAAGCTGCACTGTACCCGTAACCT
 CATCCACATGAACCTGTTTGTATCCTTCATGCTGAGAGCTATCTCTGTCTTCATCAAAGACTGGATCTTG
 TATGCCGAGCAGGACAGCAGTCATTGCTTCGTTTCCACCGTGGAATGCAAAGCTGTCATGGTTTTCTTTC
 ACTACTGCGTGGTGTCCAATACTTCTGGCTGTTCAATGAAGGCCTATACCTCTTACACTGCTGGTGGGA
 GACCTTCTCCCTGAGAGGAGATATTTCTACTGGTATACCATCATTGGCTGGGGGACACCTACTGTGTGT
 GTAAGTGTGGGCTGTGCTGAGGCTCTACTTTGATGATGCGGGATGCTGGGATGAATGACAGCACAG
 CTCTGTGGTGGGTGATCAAAGGCCCTGTAGTTGGCTCTATAATGGTTAACTTTGTCTTTTCATCGGCAT
 CATCATCATCCTTGTGCAGAAGTGCAGTCCCCAGACATGGGAGGCAATGAGTCGAGCATCTACTTACGG
 CTGGCCCGCTCCACCCTGCTGCTCATCCACTTTTGAATCCACTACACAGTATTTGCCTTCTCTCCAG
 AGAAGCTCAGCAAGAGGAAAGACTTGTGTTGAGCTTGGCTGGGCTCCTTCCAGGGCTTGTGGTGGC
 TGTAAGTCTACTGCTTCTGAATGGGAGGTACAGGCAGAGATTAAGAGGAAATGGAGGAGCTGGAAGGTG
 AACCGTTACTTACTATGGAATTCAAGCACCGGCATCCATCCCTGGCCAGCAGTGGAGTGAACGGGGGCA
 CCCAGCTGTCCATCCTGAGCAAGAGCAGCTCCAGCTCCGCATGTCCAGCCTCCCGCCGACAACTTGGC
 CACC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207484 representing BC067039
 Red=Cloning site Green=Tags(s)

MARTLQLSLTALLLLPMAIAMHSDCIFKKEQAMCLERIQRANDLMGLNESSPGCPGMWDNITCWKPAQIG
 EMVLVSCPEVFRIFNPDQVWMTETIGDSGFADSNLEITDMGVVGRNCTEDGWSEPFPHYFDACGFDDYE
 PESGDQDYVYLSVKALYTVGYSTSLVTLTAMVILCRFRKLHCTRNF IHMNLVSVFMLRAISVFIKDWIL
 YAEQDSSHCFVSTVECKAVMVFFHYCVVSNYFWLFIGLYLFTLLVETFFPERRYFYWYTIIGWGTPTVC
 VTVWAVLRLYFDDAGCWDMDSTALWWWIKGPVVGSIIMVNFVLFIIILVQKLQSPDMGGNESSIYLR
 LARSTLLLIPLFGIHYTVFAFSPENVSKRERLVFELGLGSFQGFVAVLYCFLNGEVQAEIKRKWRSWKV
 NRYFTMDFKHRHPSLASSGVNGGTQLSILSKSSSQLRMSLPLADNLAT

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC067039

ORF Size: 1406 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 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](#)

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: [BC067039](#), [AAH67039](#)

RefSeq Size: 6157 bp

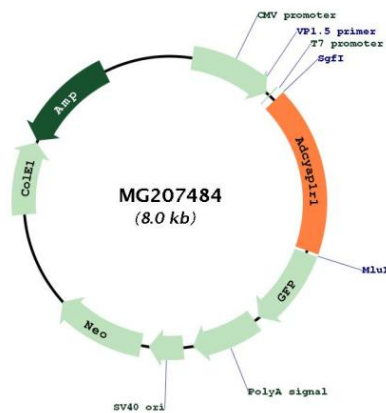
RefSeq ORF: 1406 bp

Locus ID: 11517

Cytogenetics: 6 B3

Gene Summary: This is a receptor for PACAP-27 and PACAP-38. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. May regulate the release of adrenocorticotropin, luteinizing hormone, growth hormone, prolactin, epinephrine, and catecholamine. May play a role in spermatogenesis and sperm motility. Causes smooth muscle relaxation and secretion in the gastrointestinal tract.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207484