

Product datasheet for **RN216784**

Adcyap1r1 (NM_001270583) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adcyap1r1 (NM_001270583) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adcyap1r1
Synonyms:	PAC1-R; PACAP-R1; PACAP-R1A; PACAPR1; PACAPR1A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216784 representing NM_001270583
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAGAGTCTCTGAGCTCTCCCTGACTGCTCTCTGCTGCCTGTGGCTATTGCTATGCACTCTGACT
 GCATCTTCAAGAAGGAGCAAGCCATGTGCCTGGAGAGGATCCAGAGGGCCAACGACCTGATGGGACTAAA
 CGAGTCTTCCCCAGGTTGCCCTGGCATGTGGGACAATATCACATGTTGGAAGCCAGCTCAAGTAGGTGAG
 ATGGTCTTGTAAAGCTGCCCTGAGGCTTCCGGATCTTCAACCCGGACCAAGTCTGGATGACAGAAACCA
 TAGGAGATTCTGGTTTTGCCGATAGTAATTCCTGGAGATCACAGACATGGGGTCTGGGCCGGAAGTCT
 CACAGAGGACGGCTGGTCCGAGCCCTCCCCACTACTTCGATGCTTGTGGGTTTGTGATTATGAGCCT
 GAGTCTGGAGATCAGGATTACTACTGTCCGTGAAGGCTCTACACAGTCCGCTACAGCACTTCCC
 TCGCCACCCTCACTACTGCCATGGTCATCTTGTCCGCTTCCGGAAGCTGCATTGCACTCGCAACTTCAT
 CCACATGAACCTGTTGTATCCTTCATGCTGAGGGCTATCTCCGCTTCATCAAGGACTGGATCTTGATC
 GCCGAGCAGGACAGCAGTCACTGCTTCCGTTCCACCGTGGAGTGCAAAGCTGTATGGTTTTCTCCACT
 ACTGCGTGGTGTCCAACACTTCTGGCTGTTTATTGAAGGCTGTACCTCTTACACTGCTGGTGGAGAC
 CTTCTCCCTGAGAGGAGATATTTCTACTGGTACACCATCATCGGCTGGGGGACACCTACTGTGTGTGA
 ACAGTGTGGGCTGTGCTGAGGCTCTATTTTGTGATGCAGGATGCTGGGATATGAATGACAGCACAGCTC
 TGTGGTGGGTGATCAAAGGCCCGTGGTTGGCTCTATAATGGTTAACTTTGTGCTTTTCATCGGCATCAT
 CATCATCTTGTACAGAAGCTGCAGTCCCAGACATGGGAGGCAACGAGTCCAGCATCTACTTCTGCGTG
 CAGAAATGCTACTGCAAGCCACAGCGGGCTCAGCAGCACTTTGCAAGATGTCAGAACTATCCACCATTA
 CTCTCCGCTGGCCCGCTCCACCCTACTGCTCATCCCCTTCCGGAATCCACTACACAGTATTCGCCTT
 CTCTCCAGAGAACGTGACGAAGAGGGAAAGACTTGTGTTTGTGAGCTTGGGCTGGGCTCCTCCAGGGCTTT
 GTGGTGGCTGACTCTACTGCTTCTTGAATGGGAGGTACAGGCAGAGATTAAGAGGAAATGGAGGAGCT
 GGAAGGTGAACCGTTACTTCACTATGGACTTCAAGCACCGGCACCCGTCCTGGCCAGCAGTGGAGTAAA
 TGGGGGAACCCAGCTGTCCATCTGAGCAAGAGCAGCTCCAGCTCCGCATGTCCAGCCTCCCGCCGAC
 AACTTGGCCACC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001270583
- Insert Size:** 1485 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001270583.1](#), [NP_001257512.1](#)

RefSeq Size: 6232 bp

RefSeq ORF: 1485 bp

Locus ID: 24167

UniProt ID: [P32215](#)

Cytogenetics: 4q24

Gene Summary: regulates neural precursor proliferation; mediates inhibitory signaling for Shh-induced cerebellar granule precursor cell proliferation [RGD, Feb 2006]
Transcript Variant: This variant (6) lacks an alternate in-frame exon and uses an alternate in-frame splice junction at the 5' end of an exon compared to variant (1). The resulting isoform (e) has the same N- and C-termini but is shorter compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.