

Product datasheet for **RN216840**

Adcyap1r1 (NM_001270579) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adcyap1r1 (NM_001270579) 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: >RN216840 representing NM_001270579
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCAGAGTCTCTGAGCTCTCCCTGACTGCTCTCTGCTGCCTGTGGCTATTGCTATGCACTCTGACT
 GCATCTTCAAGAAGGAGCAAGCCATGTGCCTGGAGAGGATCCAGAGGGCCAACGACCTGATGGGACTAAA
 CGAGTCTTCCCCAGGTTGCCCTGGCATGTGGGACAATATCACATGTTGGAAGCCAGCTCAAGTAGGTGAG
 ATGGTCTTGTAAAGCTGCCCTGAGGTCTTCCGGATCTTCAACCCGGACCAAGTCTGGATGACAGAAACCA
 TAGGAGATTCTGGTTTTGCCGATAGTAATTCCTGGAGATCACAGACATGGGGTCTGGGCCGGAAGTCT
 CACAGAGGACGGTGGTGGAGCCCTTCCCCACTACTTCGATGCTTGTGGTGTGATGATTATGAGCCT
 GAGTCTGGAGATCAGGATTACTACTGTCCGTGAAGGCTCTACACAGTCCGCTACAGCACTTCCC
 TCGCCACCCTCACTACTGCCATGGTCATCTTGTCCGCTTCCGGAAGCTGCATTGCACTCGCAACTTCAT
 CCACATGAACCTGTTGTATCCTTCATGCTGAGGGCTATCTCCGTCTTCAAGGACTGGATCTGTAC
 GCCGAGCAGGACAGCAGTCACTGCTTCCGTTCCACCGTGGAGTGCAAAGCTGTCATGGTTTTCTTCCACT
 ACTGCGTGGTGTCCAACACTTCTGGCTGTTTATTGAAGGCTGTACCTCTTACACTGCTGGTGGAGAC
 CTTCTTCCCTGAGAGGAGATATTTCTACTGGTACACCATCATCGGCTGGGGGACCACTACTGTGTGTGA
 ACAGTGTGGGCTGTGCTGAGGCTCTATTTGATGATGCAGGATGCTGGGATGAATGACAGCACAGCTC
 TGTGGTGGGTGATCAAAGGCCCGTGGTGGCTCTATAATGGTTAACTTTGTGCTTTTCATCGGCATCAT
 CATCATCTTGTACAGAAGCTGCAGTCCCAGACATGGGAGGCAACGAGTCCAGCATCTACTTAACAAAT
 TTAAGACTGAGAGTCCCCAAGAAAACCCGAGAGGACCCCTGCCTGTGCCCTCAGACCAGCATTACCC
 CTTTCTCAGCTGCGTGCAGAAATGCTACTGCAAGCCACAGCGGGCTCAGCAGCACTTTGCAAGATGTC
 AGAACTATCCACCATTACTCTACGGCTGGCCCGCTCCACCTACTGCTCATCCCACTCTTCGGAATCCAC
 TACACAGTATTCGCTTCTCTCCAGAGAAGCTCAGCAAGAGGAAAGACTTGTGTTTGTGCTTGGCTGG
 GCTCCTCCAGGGCTTTGTGGTGGCTGACTCTACTGCTTCTTGAATGGGAGGTACAGGCAGAGATTAA
 GAGGAAATGGAGGAGCTGGAAGGTGAACCGTTACTTCACTATGGACTTCAAGCACCGGCACCCGTCCTG
 GCCAGCAGTGGAGTAAATGGGGAAACCCAGCTGTCCATCCTGAGCAAGAGCAGCTCCAGCTCCGCATGT
 CCAGCCTCCCGCCGACAACCTTGCCACC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001270579

Insert Size: 1572 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_001270579.1](#), [NP_001257508.1](#)

RefSeq Size: 6319 bp

RefSeq ORF: 1572 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 (1) represents the longest transcript and encodes the longest 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.