

## Product datasheet for **RN216739**

### **Adcyap1r1 (NM\_001270582) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Adcyap1r1 (NM_001270582) 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:** >RN216739 representing NM\_001270582  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCAGAGTCTCTGAGCTCTCCCTGACTGCTCTCTGCTGCCTGTGGCTATTGCTATGCACTCTGACT  
 GCATCTTCAAGAAGGAGCAAGCCATGTGCCTGGAGAGGATCCAGAGGGCCAAACGACCTGATGGGACTAAA  
 CGAGTCTTCCCCAGGTTGCCCTGGCATGTGGGACAATATCACATGTTGGAAGCCAGCTCAAGTAGGTGAG  
 ATGGTCTTGTAAAGCTGCCCTGAGGTCTTCCGGATCTTCAACCCGGACCAAGTCTGGATGACAGAAAACCA  
 TAGGAGATTCTGGTTTTGCCGATAGTAATTCCTTGAGATCACAGACATGGGGTCTGGGCCGGAAGTCTG  
 CACAGAGGACGGCTGGTCCGAGCCCTTCCCCACTACTTCGATGCTTGTGGGTTTGTGATTATGAGCCT  
 GAGTCTGGAGATCAGGATTACTACTGTCCGTGAAGGCTCTACACAGTCCGCTACAGCACTTCCC  
 TCGCCACCCTCACTACTGCCATGGTCATCTTGTCCGCTTCCGGAAGCTGCATTGCACTCGCAACTTCAT  
 CCACATGAACCTGTTGTATCCTTCATGCTGAGGGCTATCTCCGCTTTCATCAAGGACTGGATCTGTAC  
 GCCGAGCAGGACAGCAGTCACTGCTTCCGTTCCACCGTGGAGTGCAAAGCTGTCATGGTTTTCTTCCACT  
 ACTGCGTGGTGTCCAACACTTCTGGCTGTTTCAATGAAGGCTGTACCTCTTACACTGCTGGTGGAGAC  
 CTTCTTCCCTGAGAGGAGATATTTCTACTGGTACACCATCATCGGCTGGGGGACACCTACTGTGTGTGA  
 ACAGTGTGGGCTGTGCTGAGGCTCTATTTTGTATGATGCAGGATGCTGGGATATGAATGACAGCACAGCTC  
 TGTGGTGGGTGATCAAAGGCCCGTGGTTGGCTCTATAATGGTTAACTTTGTGCTTTTTCATCGGCATCAT  
 CATCATCTTGTACAGAAGCTGCAGTCCCAGACATGGGAGGCAACGAGTCCAGCATCTACTTACGGCTG  
 GCCCGCTCCACCCTACTGCTCATCCACTCTTCGGAATCCACTACACAGTATTGCGCTTCTCTCCAGAGA  
 ACGTCAGCAAGAGGGAAAGACTTGTGTTGAGCTTGGGCTGGGCTCCTTCCAGGGCTTTGGTGGCTGT  
 ACTCTACTGCTTCTTGAATGGGGAGGTACAGGCAGAGATTAAGAGGAAATGGAGGAGCTGGAAGGTGAAC  
 CGTTACTTCACTATGGACTTCAAGCACCCGACCCGTCCTGGCCAGCAGTGGAGTAAATGGGGAAACCC  
 AGCTGTCCATCCTGAGCAAGAGCAGCTCCAGCTCCGCATGTCCAGCCTCCCGGCCGACAACCTGGCCAC  
**CTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_001270582
- Insert Size:** 1404 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\\_001270582.1](#), [NP\\_001257511.1](#)

**RefSeq Size:** 6151 bp

**RefSeq ORF:** 1404 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 (5) lacks two alternate in-frame exons compared to variant (1). The resulting isoform (d) has the same N- and C-termini but is shorter compared to isoform a. Variants 4 and 5 both encode the same isoform (d). 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.