

Product datasheet for **RN216738**

Adcyap1r1 (NM_001270581) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adcyap1r1 (NM_001270581) 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: >RN216738 representing NM_001270581
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCAGAGTCTCTGAGCTCTCCCTGACTGCTCTCTGCTGCGCTGTGGCTATTGCTATGCACTCTGACT
 GCATCTTCAAGAAGGAGCAAGCCATGTGCCTGGAGAGGATCCAGAGGGCCAAACGACCTGATGGGACTAAA
 CGAGTCTTCCCCAGGTTGCCCTGGCATGTGGGACAATATCACATGTTGGAAGCCAGCTCAAGTAGGTGAG
 ATGGTCTTGTAAAGCTGCCCTGAGGTCTTCCGGATCTTCAACCCGGACCAAGTCTGGATGACAGAAACCA
 TAGGAGATTCTGGTTTTGCCGATAGTAATTCCTTGAGATCACAGACATGGGGTCTGGGCCGGAAGTCT
 CACAGAGGACGGCTGGTCCGAGCCCTTCCCCACTACTTCGATGCTTGTGGGTTTGTGATTATGAGCCT
 GAGTCTGGAGATCAGGATTACTACTGTCCGTGAAGGCTCTACACAGTCCGCTACAGCACTTCCC
 TCGCCACCCTCACTACTGCCATGGTCATCTTGTCCGCTTCCGGAAGCTGCATTGCACTCGCAACTTCAT
 CCACATGAACCTGTTGTATCCTTCATGCTGAGGGCTATCTCCGCTTTCATCAAGGACTGGATCTGTAC
 GCCGAGCAGGACAGCAGTCACTGCTTCCGTTCCACCGTGGAGTGCAAAGCTGTCATGGTTTTCTTCCACT
 ACTGCGTGGTGTCCAACACTTCTGGCTGTTTCAATGAAGGCTGTACCTCTTACACTGCTGGTGGAGAC
 CTTCTTCCCTGAGAGGAGATATTTCTACTGGTACACCATCATCGGCTGGGGGACACCTACTGTGTGTGA
 ACAGTGTGGGCTGTGCTGAGGCTCTATTTGATGATGCAGGATGCTGGGATATGAATGACAGCACAGCTC
 TGTGGTGGGTGATCAAAGGCCCGTGGTTGGCTCTATAATGGTTAACTTTGTGCTTTTCATCGGCATCAT
 CATCATCTTGTACAGAAGCTGCAGTCCCAGACATGGGAGGCAACGAGTCCAGCATCTACTTACGGCTG
 GCCCGCTCCACCCTACTGCTCATCCACTCTTCGGAATCCACTACACAGTATTGCGCTTCTCTCCAGAGA
 ACGTCAGCAAGAGGGAAAGACTTGTGTTGAGCTTGGGCTGGGCTCCTTCCAGGGCTTTGGTGGCTGT
 ACTCTACTGCTTCTTGAATGGGGAGGTACAGGCAGAGATTAAGAGGAAATGGAGGAGCTGGAAGGTGAAC
 CGTTACTTCACTATGGACTTCAAGCACCCGACCCGTCCTGGCCAGCAGTGGAGTAAATGGGGAAACCC
 AGCTGTCCATCCTGAGCAAGAGCAGCTCCAGCTCCGCATGTCCAGCCTCCCGGCCGACAACCTGGCCAC
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001270581
- 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_001270581.1](#), [NP_001257510.1](#)

RefSeq Size: 6263 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 (4) lacks two alternate in-frame exons and differs in the 5' UTR 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.