

Product datasheet for **RN216786**

Adcyap1r1 (NM_001270580) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adcyap1r1 (NM_001270580) 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: >RN216786 representing NM_001270580
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCAGAGTCTCTGAGCTCTCCCTGACTGCTCTCTGCTGCCTGTGGCTATTGCTATGCACTCTGACT
 GCATCTTCAAGAAGGAGCAAGCCATGTGCCTGGAGAGGATCCAGAGGGCCAACGACCTGATGGGACTAAA
 CGAGTCTTCCCCAGGTTGCCCTGGCATGTGGGACAATATCACATGTTGGAAGCCAGCTCAAGTAGGTGAG
 ATGGTCTTGTAAAGCTGCCCTGAGGTCTTCCGGATCTTCAACCCGGACCAAGTCTGGATGACAGAAACCA
 TAGGAGATTCTGGTTTTGCCGATAGTAATTCCTGGAGATCACAGACATGGGGTCTGGGCCGGAAGTCT
 CACAGAGGACGGCTGGTCCGAGCCCTCCCCACTACTTCGATGCTTGTGGGTTTGTGATTATGAGCCT
 GAGTCTGGAGATCAGGATTACTACTGTCCGTGAAGGCTCTACACAGTCCGCTACAGCACTTCCC
 TCGCCACCCTCACTACTGCCATGGTCATCTTGTCCGCTTCCGGAAGCTGCATTGCACTCGCAACTTCAT
 CCACATGAACCTGTTGTATCCTTCATGCTGAGGGCTATCTCCGCTTCATCAAGGACTGGATCTTGATC
 GCCGAGCAGGACAGCAGTCACTGCTTCCGTTCCACCGTGGAGTGCAAAGCTGTATGGTTTTCTCCACT
 ACTGCGTGGTGTCCAACACTTCTGGCTGTTTATTGAAGGCTGTACCTCTTTACACTGCTGGTGGAGAC
 CTTCTCCCTGAGAGGAGATATTTCTACTGGTACACCATCATCGGCTGGGGGACACCTACTGTGTGTGTA
 ACAGTGTGGGCTGTGCTGAGGCTCTATTTGATGATGCAGGATGCTGGGATGAAATGACAGCACAGCTC
 TGTGGTGGGTGATCAAAGCCCCGTGGTTGGCTCTATAATGGTTAACTTTGTGCTTTTCATCGGCATCAT
 CATCATCTTGTACAGAAGCTGCAGTCCCAGACATGGGAGGCAACGAGTCCAGCATCTACTTAACAAAT
 TTAAGACTGAGAGTCCCCAAGAAAACCCGAGAGGACCCCTGCCTGTGCCCTCAGACCAGCATTACCCC
 CTTTCCTACGGCTGGCCCGCTCCACCCTACTGCTATCCACTCTCGGAATCCACTACACAGTATTCGC
 CTTCTCTCCAGAGAACGTCAGCAAGAGGAAAGACTTGTGTTGAGCTTGGGCTGGGCTCCTTCCAGGGC
 TTTGTGGTGGCTGTACTCTACTGCTTCTTGAATGGGGAGGTACAGGCAGAGATTAAGAGGAAATGGAGGA
 GCTGGAAGGTGAACCGTTACTTCACTATGGACTTCAAGCACCGGCACCCGCTCCCTGGCCAGCAGTGGAGT
 AAATGGGGGAACCCAGCTGTCCATCCTGAGCAAGAGCAGCTCCCAGCTCCGCATGTCCAGCCTCCCGGCC
 GACAACTTGGCCACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001270580

Insert Size: 1488 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_001270580.1](#), [NP_001257509.1](#)

RefSeq Size: 6235 bp

RefSeq ORF: 1488 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 (3) lacks an alternate in-frame exon compared to variant (1). The resulting isoform (c) 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.