

Product datasheet for **SC128086**

PACAP receptor (ADCYAP1R1) (NM_001118) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PACAP receptor (ADCYAP1R1) (NM_001118) Human Untagged Clone
Tag:	Tag Free
Symbol:	PACAP receptor
Synonyms:	PAC1; PAC1R; PACAPR; PACAPRI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001118, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGGTGTCTGCACGTTTCCCTGGCTGCTCTCCTCCTGCTGCCTATGGCCCCTGCCATGCATTCTG
ACTGCATCTTCAAGAAGGAGCAAGCCATGTGCCTGGAGAAGATCCAGAGGGCCAATGAGCTGATGGGCTT
CAATGATTCCTCTCCAGGCTGTCTGGGATGTGGGACAACATCACGTGTTGGAAGCCCGCCATGTGGGT
GAGATGGTCTGGTCACTGCCCTGAGCTCTTCCGAATCTTCAACCAGACCAAGCTGGGAGACCGAAA
CCATTGGAGAGTCTGATTTTGGTGACAGTAACCTTAGATCTCTCAGACATGGGAGTGGTGAAGCCGAA
CTGCACGGAGGATGGCTGGTCCGAACCCCTCCCTCATTACTTTGATGCCTGTGGGTTTGATGAATATGAA
TCTGAGACTGGGACCAGGATTACTACCTGTCAGTGAAGGCCCTCTACACGGTTGGTACAGCACAT
CCCTCGTCACCCTCACCCTGCCATGGTATCCTTTGTCGCTTCCGGAAGCTGCACTGCACACGCAACTT
CATCCACATGAACCTGTTTGTGTCGTTTCACTGAGGGCGATCTCCGTCTTCAAGACTGGATTCTG
TATGCGGAGCAGGACAGCAACCCTGCTTCACTCTCCACTGTGGAATGTAAGGCCGTGATGGTTTTCTTCC
ACTACTGTGTTGTGTCCTCACTTCTGGCTGTTATCGAGGGCCTGTACCTCTTCACTCTGCTGGTGGG
GACCTTCTCCCTGAAAGGAGATACTTCTACTGGTACACCATCATTGGCTGGGGGACCCCACTGTGTGT
GTGACAGTGTGGGCTACGCTGAGACTCTACTTTGATGACACAGGCTGCTGGGATATGAATGACAGCACAG
CTCTGTGGTGGTGATCAAAGGCCCTGTGGTGGCTCTATCATGGTTAACTTTGTGCTTTTTATTGGCAT
TATCGTCATCCTTGTCAGAACTTCACTCTCCAGACATGGGAGGCAATGAGTCCAGCATCTACTTGGCA
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AACCGTACTTTCGCTGTGGACTTCAAGCACCGACCCCGTCTCTGGCCAGCAGTGGGGTGAATGGGGCA
CCCAGCTCTCCATCCTGAGCAAGAGCAGCTCCCAATCCGCATGTCTGGCCTCCCTGCTGACAATCTGGC
CACCTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001118 unedited
 TAACCCCGCCCGTTGCCGCAAAGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGC
 AGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCG
 AATTCCGGCAGGAGGCATGGCTGGTGTCTGTCACGTTTCCCTGGCTGCTCCTCCTGCTG
 CCTATGGCCCTGCCATGCATTCTGACTGCATCTTCAAGAAGGAGCAAGCCATGTGCCTG
 GAGAAGATCCAGAGGGCCAATGAGCTGATGGGCTTCAATGATTCCTCTCCAGGCTGCTCT
 GGGATGTGGGACAACATCACGTGTTGGAAGCCCGCCCATGTGGGTGAGATGGTCTGGTC
 AGCTGCCCTGAGCTCTTCCGAATCTTCAACCCAGACCAAGTCTGGGAGACCGAAAACATT
 GGAGAGTCTGATTTTGGTGACAGTAACTCCTTAGATCTCTCAGACATGGGAGTGGTGAGC
 CGGAAGTGCACGGAGGATGGCTGGTCGGAACCCTTCCCTCATTACTTTGATGCCTGTGGG
 TTTGATGAATATGAATCTGAGACTGGGGACCAGGATTACTACTGTCAGTGAAGGCC
 CTCTACACGGTTGGCTACAGCACATCCCTCGTCAACCTCACCCTGCCATGGTATCCTT
 TGTGCTTCCGGAAGCTGCACTGCACACGCAACTTCATCCACATGAACCTGTTTGTGTCG
 TTCATGCTGAGGGCGATCTCCGCTTTCATCANAGACTGGATTCTGTATGCGGAGCANGAC
 AGCAACCACTGCTTCATCTNCACTGTGGAATGTAAGGCCGNCATGGTNTTCTTCACTACT
 GTGTTGTGTCCACTACTCCTGGCTGTCCATCGAGGGCCTGACTCTTACTCTGCTGGTGG
 AGACCTTCTTCTGAAGGAGAANTACTGTACACATCATGGCGG

3' Read Nucleotide Sequence:

>OriGene 3' genomic read for NM_001118 unedited
 GTTTTTNNNNTAATACTGTGNACCGCGGCCGCTTCTNCTANGATCGAGTTTTTTTTTTTT
 TT
 TT
 GAAAAAGGCAA
 AACATTTTTTGGGTCATCTACCGCAGTCTGACCTCCTTAAAATCCTGGACAAAATAGTGG
 GCCCGCATTTATGGCCGCCCGTTGCCGTAAGGGCTGGGGGGCTTACTTAACTTTACT
 GGGGAAAAGAAACCCAGGCTGGCCAGCTCCCAAGTGAAGGCAAGGAAACCATGTCTGAG
 ATGCCCGGGCTGCACCACTCCAGCCCTGATAGAGGCAAAGCTCCGGAAGACAGACATCA
 GACAAGACCCCTTGCCTAAGTGCAGAAACCCCAAGACTGTGAGTTTCCAGGAAAAGAAG
 GATGGGGCCCCAAAATGGCCAAAATCCTGGAGTTGGCTCCCCAGGGGCTGGGGTCTTT
 TCCCCCTTGGGAAATTTCCCCCTTGTTCACCAAAAAATTTTATACCGGGGGGGGG
 GAAAAACAAAATTTGGGGGCAAATTGAGACCTGGGGGCCCCCTATTATAAGGAGGG
 GGGGGGTTCCCAAAGGGGGGCGCGTTTTTTTTTTGGGGGGGGCCCCCCCCCAATTTA
 AAAAAAGAGGGGGGGGGCCCCCCCCCTTTTTTTTTTTTTTAAAAAAAACCACCCCT
 TTGTGGGGGGGTAAAAAAAACCTTTTTCCCCCGCGCCGTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTGTTTGGGGGGGAAGAGAAAAAAAANCC
 CCCCCCTCTCCCCCTCCCCNNGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 G

Restriction Sites:

NotI-NotI

ACCN:

NM_001118

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).

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_001118.3](#), [NP_001109.2](#)

RefSeq Size: 1643 bp

RefSeq ORF: 1407 bp

Locus ID: 117

UniProt ID: [P41586](#)

Cytogenetics: 7p14.3

Domains: 7tm_2, HormR

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Gene Summary: This gene encodes type I adenylate cyclase activating polypeptide receptor, which is a membrane-associated protein and shares significant homology with members of the glucagon/secretin receptor family. This receptor mediates diverse biological actions of adenylate cyclase activating polypeptide 1 and is positively coupled to adenylate cyclase. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Dec 2010]
Transcript Variant: This variant (3) lacks an in-frame exon in the CDS, as compared to variant 1. The resulting isoform (3) lacks an internal segment, as compared to isoform 1. 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.