

Product datasheet for **SC316669**

PACAP (ADCYAP1) (NM_001099733) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PACAP (ADCYAP1) (NM_001099733) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADCYAP1
Synonyms:	PACAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316669 representing NM_001099733. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGACCATGTGTAGCGGAGCGAGGCTGGCCCTGCTGGTCTATGGGATAATCATGCACAGCAGCGTCTAC
AGCTCACCTGCCGCCCGGACTCCGGTCCCCGGGATCAGGCCAGAGGAAGAGGCGTACGGCGAGGAC
GGAAACCCGCTGCCAGACTTCGATGGCTCGGAGCCGCCGGGCGCAGGGAGCCCGCTCCGCGCCGCGC
GCCGCCCGCCCTGGTACCGCCCGCGGGAGAAGAGATGTGCCACCGGGATCCTTAACGAGGCCATC
CGCAAAGTGTGGACCAGCTGTCCGCCGGGAAGCACCTGCAGTCGCTCGTGGCCCGGGCGTGGTGGG
AGCCTCGGCGGCGCGGGGGACGACGCGGAGCCGCTCTCCAAGCGCCACTCGGACGGGATCTTACG
GACAGCTACAGCCGCTACCGGAAACAAATGGCTGTCAAGAAATACTTGGCGGCCGCTCTAGGGAAGAGG
TATAAACAAAGGGTTAAAAACAAAGGACGCCGAATAGCTTATTTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_001099733
Insert Size:	531 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).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_001099733.1
RefSeq Size:	3187 bp
RefSeq ORF:	531 bp
Locus ID:	116
UniProt ID:	P18509
Cytogenetics:	18p11.32
Protein Families:	Secreted Protein
MW:	18.8 kDa
Gene Summary:	<p>This gene encodes a secreted proprotein that is further processed into multiple mature peptides. These peptides stimulate adenylate cyclase and increase cyclic adenosine monophosphate (cAMP) levels, resulting in the transcriptional activation of target genes. The products of this gene are key mediators of neuroendocrine stress responses. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2013]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript. Variants 1 and 2 both encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>