

Product datasheet for SC110820

PACAP (ADCYAP1) (NM_001117) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PACAP (ADCYAP1) (NM_001117) Human Untagged Clone
Tag:	Tag Free
Symbol:	PACAP
Synonyms:	PACAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001117 edited ATGACCATGTGTAGCGGAGCGAGGCTGGCCCTGCTGGTCTATGGGATAATCATGCACAGC AGCGTCTACAGCTCACCTGCCGCCGCGGACTCCGGTTCCCGGGATCAGGCCAGAGGAA GAGGCATACGGCGAGGACGGAAACCCGCTGCCAGACTTCGATGGCTCGGAGCCGCCGGGC GCAGGGAGCCCCGCTCCGCGCCGCGCGCCGCCCGCTGGTACCGCCCGCGGGGAGA AGAGATGTCGCCACGGGATCCTTAACGAGGCCTACCGAAAAGTCTGGACCAGTGTCC GCCGGGAAGCACCTGCAGTCGCTCGTGGCCCGGGCGTGGGTGGGAGCCTCGGCGCGGC GCGGGGACGACGCGGAGCCGCTCTCAAGCGCCACTCGGACGGGATCTTACGGACAGC TACAGCCGCTACCGAAACAAATGGCTGTCAAGAAATACTTGGCGCCGCTCTAGGGAAG AGGTATAAACAAAGGGTTAAAAACAAAGGACGCCGAATAGCTTATTTGTAG
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001117 unedited TTTGTAAACGACTCACTATAGGGCGGNCGCAATTCGCACGAGGCTCCCCCGGCTTCC AGAGCTTTTTGGGTTGGAGGGTGGGAGGCCAGGGGCGTTCTCACAGCTGTGTCTCT TTCCCATCTGCGCAGAATGACCATGTGTAGCGGAGCGAGGCTGGCCCTGCTGGTCTATG GGATAATCATGCACAGCAGCGTCTACAGCTCACCTGCCGCCGCGGACTCCGGTTCCCG GGATCAGGCCAGAGGAAGAGGCATACGGCGAGGACGGAAACCCGCTGCCAGACTTCGATG GCTCGGAGCCGCCGGGCGCAGGGAGCCCCGCTCCGCGCCGCGCGCCGCCCGCTGGT ACCGCCCGGCGGAGAAGAGATGTCGCCACGGGATCCTTAACGAGGCTACCGCAAAG TGCTGGACCAGCTGTCCGCCGGGAAGCACCTGCAGTCGCTCGTGGCCCGGGCGTGGGTG GGAGCCTCGGCGGCGCGCGGGGACGACGCGGAGCCGCTCTCAAGCGCCACTCGGACG GGATCTTACGGACAGCTACAGCCGCTACCGGAAACAAATGGCTGTCAAGAAATACCTTG GCGGCCGCTCTAGGNAAGAGGTATAAACAAAGGGTTAAAAACAAAGGACGCCGAATAGC TTATTTGTAGCGATGGGTACCAGCTACCCTGTGTATACAGCCCTGACGCATGAAAAGTC GTTNTCCAAACTGACTCAACAGTCTCGNTCCGTGTGTTCTATCCAACATGNATTTTATGT NATGAAGTAAAGCCATTAATGATATTTGATATAATAATGGNTTTTTCTTTCTACAAAG CACTAGAGATGACAGATACTTTGTGACCAATATTGATT



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Restriction Sites:	NotI-NotI
ACCN:	NM_001117
Insert Size:	3370 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).
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:	<u>NM_001117.2</u> , <u>NP_001108.1</u>
RefSeq Size:	1939 bp
RefSeq ORF:	531 bp
Locus ID:	116
UniProt ID:	<u>P18509</u>
Cytogenetics:	18p11.32
Domains:	GLUCA
Protein Families:	Secreted Protein
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 (2) differs in the 5' UTR, compared to variant 1. 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>