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Product datasheet for SC127488

ADCYAP1R1 (AK096545) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADCYAP1R1 (AK096545) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADCYAP1R1
Synonyms:	PAC1; PAC1R; PACAPR; PACAPRI
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AK096545, the custom clone sequence may differ by one or more nucleotides

TTTATGCCCTTGACCTTGACTCACCATGGGCTGCTGGGGTGTCGGGAGAAGCCACACCCAACATGCCCAT
TAGCAGAGGCTGCTGCTGATGTGGCAGCTGCTCCCTACCACCCGCCCTGGCTCCCCAGCTGCAGGTTGCA
CACCCTCAGCCTGAGAATGTAAAATAGGGCAGTGCCCAGCTGGGGAGGTAGAGGAAAGTGCTAGAGTACA
TGGTCCGTGTGTGGCCTAGCTCATTCCATGTCAGCATTTGGTGTTACTCCTGTCCAAATTCTGTTTGCAG
ACTTGTTTCATGATGATGCTCTGGAATGCTTGGGGACTTTGGGTGGAGGAGGATGTTACTTCATTTTATA
AAGAGGAAGGGGCCTGGGAGACTTGGGAAAATGTTTCTGGAGAGGCTTTCAGAGTGGCTGGAAAAGGCTC
TTGTTGCTGTAATTTAGAGAGGAGCTCTGTGTCCTTGGCCAGTCAAGTAAGTTCCTGGATCTTTGGCAAA
GCCAGAGGAAGAAAGGAGCTACCTGCCCTTTCCCGGGCATGCTTGGTGACTCAGATTGATCTTGGAGTGT
GCAGTGGCCCTTCTACCCTGCACCTGACCTCATGATCCCCTCCACCTGCACTGGTGTGCATTACTGAAGC
AAGGGTCCTGTGGACATCTTGCATTTTGGGCACTGCTAGGGGGTCTGGGCTGCTTGGAAGGAGCCATGGC
CTAGGGTTCAGGGAACTAGACTCTATCCCAGTTGGGTTCAGACTGCTGTGACTGTGGACACGATGCTCCT
TGTTCTGGGCTCCAGTTTTCCCATTTGTGAGATGAGGCAACTTCCAATGCTTCTCTAGGCCCTGCACGTA
AGTGATTTTTCCAGTTCAAAGTCAAGACAGGTAAAAGGGCATTCATCATTGTGCCTCATATCAGGTTTTG
ATGAATATATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTAGAGGGATGGACAGGATGCTGTTT
ATTTTCCCTTTCTTGGAAATGGACCTTCTGTCCCTTCCATTTGGACACCACAGTGGAAGCTGGTGGCCTG
GAAGGAAGGATTAGGTCATGGACATTTGAACAGGTGCCTTGGGCATGATGTATAGATGCAGTCATATATA
CCTTGCTGGGGTGGGGTGCCACCTCCAGTGGCCAGCTCCAGATCCAAGGAGCAGCCCCCTGGGGATGGAC
CCCATTCATTCATCATGACTCCCAACAGTTTTCATTGTGGAAGAAGAAACTTTGGCATTATAGAGACATC
ATCACAAAACAGTAAAAACAAAATCAACCCTGAACCCCATGCACTGTGCTGCTTCCTGAGCCTGGCCCTG
CATCCTCATAGAGGTGCCGGGTTCCTATTGGTTAGTTGGTTGTTTTTCCGTCTGAGTGAATTTTTGCCAG
TCTTGTGAGCAGATGTACCTGATGTATTCTCAATGTTCCAAGAGGTTCTGGCCTTCAGGGTCACAGGCAG
TAGGGGGACAGCATAAGGTCTATGTAAAACCCTTCCCTCTCTGACCCTCTGTTTTCAAATCTGTAAAATG
GGCAATAAGACTAGATGATTTGTATATAGCCCAATGCATCTCTGGAACTCTGTCTAAACACCAGCCATCT

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ACTGGGAATGGGCCCCAGGACTGTGGTATTTGCCTGGGCCAGGAAAGGATAAGAAATCCTGTCATGTGAA
GACAGCTTGAGAGGCTTGAGGAAAGTGGGGCTGGGGAGAAGCGGGCTTGTCAGACTCCACCCCTGTTTAT
GATCATTCCTGGGAAGGGGTTTCTCGTTCTATGCAATCCTAAAGGACGAAACTCACCCATGGGAGGCCGA
ATTCTCCTTGGGATGAAGAAATTGCTCTTTCCCTGTCATGAGTGTCCAGCCAGGGAGCAGGGAGGCAGTG
TCAGGGAGGGACTCTCATCCTGGAGGAAATGGGATTCCAAGTCAAGGATGCTGAGGCTGTCAGGGAGCCA
GAGAGGGGGGTCCAAGTGCGGGATGTGGGTGGCTCTGTGGTTCAGTGGCTCTGTGGTAGTTCCTAGCACT
GCAGACTTCATGACTCCCCACTTAAGTCCAAGTCACATTGTCTATCCCAGTGTGTAGCTCTGTCACCCTG
CTTGACACATCCAGTGGCCTACAGCGACTCTTCTCTAACCCCACCCCCTCCAAGCTGGGTTCTTTGTGGA
AGAAGGACAGGGAGCTAGAGCCAAGCCCTAGGCTTGAGAGACACCTGCATCTATAATCCCCGCCAAGGAT
GCCCACTCACCTCTCTCATCTGATCCTCACTCTTTGTGGAAGGGAAAGCTCAAAGGGACTCTCTCTCTCT
CTCTTTTTTTTTTTTTTTTGAGTAGTACCCTTGCCCTCTTCATGGCCACTTCAAAGTGAAGCCAGCAAAGT
GATAATACTTTATCATTTAGTATTATCATAAAGTATTAATACTTTGTCATAAAGTCCTCCTTGAGCCCAG
GGACCATGGAAGTCAGCTAGAAGAGCCCTGAGCAAGGAGCAAGGACTTGGGCTTCTCCACGCTTTGCTCC
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GCCTGCCACCATGGTGGGATCCAGTATGTTTTATAAATCTGAATGAGTAAATGGCTCACCAATTTATGCA
TAGCCCTGCACATGAGCAGAATGTGACACTCAAAGCATCCATGCAGTACGCATGTAACCTTGCACAGGAG
TGGGGCTCTGGTGACCGAAGGTTGTCCAGGACTCTTGCAGGAGAAGCAATGGAGTCAGTGTGGTGTGGGG
AGACCTACTTTTTAACCTGGGCTTAGCCACCTGCTCTGTGATCCAGGGCTTACCTTCTTTGGGCCTCGGC
CTCCTAATCTGGGTAATGGGGAGGACTTCATTGGCATTGTTAGTCCCACAGGCCAAGGATAAGGTTGAAA
TGAGACGGCTTGTGTGTGAAAAGATTTTGGAAATTACACAGATGTGGGCTTGTTATTGGGATGAAGACTG
CTGGAAGGGACTCCTTGCTGTTTATCTACTGCTTTGAGCCCTCCTAAGTTAACCTGTGCCTCATTTGTAA
AACCACCAGCATCAGGAGTAAGGGGGAGGCCAGAGGGCTCAGATGGACACAGAATTCTAGCTTTACCTGC
ATCCGCTGATTCAGTTTTCTGTTGGGATCAGAGTGAGGATACTTCCATATGGGTGATAGCAGCCATGCCC
CTGGGAGTCAACTTCAAGGATCTGGGACATTTTGGTGTGCCCATTCCTTCTTTTCCTGAACTCACAGTCT
TGGGGTGTTTCTGCACTTGGCTATGTGTGTCTTGTCTGATGTCTGTCTTCTGTAGCTTTGCCTCTATCAG
GGCTGGAGTGGTGCAGCCCCTGGCATCTCAGACATGGTTCCTGCCTCACTTGTGGGAGCTGGACCAGCCT
GGGTTTCATCTCCCACAGTAAAGCTAAGTAAGCCCCACAGACCTTACTGCTACTGCTGCTGCCATTAATG
CTGTGCTCACTATCTTGTCCAGGATTTTAAGGATGTCAGACTGCTGTAGATGACTCAATAAATGTTTTGC
CATTTT

5' Read Nucleotide Sequence:

>OriGene 5' read for AK096545 unedited
TCAAATTTTGTATACGACTCATATAGGCGGCCGCGACATCGGCACGAGGGCTTGTCAGAC
TCCACCCCTGTTGATGATCATTCCTGGGAAGGGGTTTCTCGTTCTATGCAATCCTAAAGG
ACGAAACTCACCCATGGGAGGCCGAATTCTCCTTGGGATGAAGAAATTGCTCTTTCCCTG
TCATGAGTGTCCAGCCAGGGAGCAGGGAGGCAGTGTCAGGGAGGGACTCTCATCCTGGAG
GAAATGGGATTCCAAGTCAAGGATGCTGAGGCTGTCAGGGAGCCAGAGAGGGGGGTCCAA
GTGCGGGATGTGGGTGGCTCTGTGGTTCAGTGGCTCTGTGGTAGTTCCTAAGCACTGCAG
AACTTCATGACTCCCCACTTAAGTCCAAGTCACATTGTCTATCCCAGTGTGTAGCTCTGT
CACCCTGCTTGACACATCCAGTGGCCTACAGCGACTCTTCTCTAACCCCACCCCCTCCAA
GCTGGGTTCTTTGTGGAAGAAGGACAGGGAGCTAGAGCCAAGCCCTAGGCTTGAGAAACA
CCTGCATCTATAATCCCCGCCAAGGATGCCCACTCACCTCTCTCATCTGATCCTCACTCT
TTGTGGAAGGGAAAGCTCAAAGGGACTCTCTCTCTCTCTCTTTTTTTTTTTTTTTGAGTA
GTACCCTTGCCCTCTTCATGGCCACTTCAAAGTGAAGCCAGCAAAGTGATAATACTTTAT
CATTTAGTATTATCATAAAGTATTAATACTTTGTCATAAAGTCCTCCTTGAGCCCAGNGA
CCATGGNAAGTAGCTAGAAGAAGCCTGAGCAAGAGCAGGACTTGGGCTTCTCAGCTNTGC
TCTGGGCTGNTTGACCTGACTATCCNCAATGTCTNTGAGGAGCTACAAATACTAAAGCTG
GAGAACTCTGGAATCTAAGGTAAAACTCCCAC

Restriction Sites: NotI-NotI

ACCN: AK096545

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:	AK096545.1
RefSeq Size:	3646 bp
RefSeq ORF:	3646 bp
Locus ID:	117
Cytogenetics:	7p14.3
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]