

## Product datasheet for **SC329542**

### **PACAP receptor (ADCYAP1R1) (NM\_001199637) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PACAP receptor (ADCYAP1R1) (NM_001199637) 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_001199637, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGGTGTCTGCACGTTTCCCTGGCTGCTCTCCTCCTGCTGCCTATGGCCCCTGCCATGCATTCTG
ACTGCATCTTCAAGAAGGAGCAAGCCATGTGCCTGGAGAAGATCCAGAGGGCCAATGAGCTGATGGGCTT
CAATGATTCCTCTCCAGGCTGTCTGGGATGTGGGACAACATCACGTGTTGGAAGCCCGCCATGTGGGT
GAGATGGTCTGGTCACTGCCCTGAGCTCTTCCGAATCTTCAACCCAGACCAAGACATGGGAGTGGTGA
GCCGGAAGTGCACGGAGGATGGTGGTCCGAACCCCTTCCCTCATTACTTTGATGCCTGTGGGTTTGATGA
ATATGAATCTGAGACTGGGACCAGGATTACTACTACCTGTCAGTGAAGGCCCTTACACGGTTGGCTAC
AGCACATCCCTCGTCACCCTCACCCTGCCATGGTCATCCTTTGTCGCTCCGGAAGCTGCACTGCACAC
GCAACTTCATCCACATGAACCTGTTTGTGTCGTTTCATGCTGAGGGCGATCTCCGTCTTCATCAAAGACTG
GATTCTGTATGCCGAGCAGGACAGCAACCCTGCTTCATCTCCACTGTGGAATGTAAGGCCGTATGGTT
TTCTTCCACTACTGTGTTGTGTCCAACACTTCTGGCTGTTTCATCGAGGGCCTGTACCTCTTCACTCTGC
TGGTGGAGACCTTCTTCCCTGAAAGGAGATACTTCTACTGGTACACCATCATTGGCTGGGGGACCCCAAC
TGTGTGTGTGACAGTGTGGGCTACGCTGAGACTCTACTTTGATGACACAGGCTGCTGGGATATGAATGAC
AGCACAGCTCTGTGGTGGTGTATCAAAGGCCCTGTGGTGGCTCTATCATGGTTAACTTTGTGCTTTTTA
TTGGCATTATCGTCATCCTTGTGCAGAACTTCAGTCTCCAGACATGGGAGGCAATGAGTCCAGCATCTA
CTTGCCACTGGCCGGTCCACCCTGCTGCTCATCCCCTATTCCGAACTCCACTACACAGTATTTGCCCTTC
TCCCAGAGAATGTCAGCAAAAGGAAAGACTCGTGTTTGAGCTGGGGCTGGGCTCCTTCCAGGGCTTTG
TGGTGGCTGTTCTACTGTTTTCTGAATGGTGTGAGGTACAAGCGGAGATCAAGCGAAAATGGCGAAGCTG
GAAGGTGAACCGTTACTTCGCTGTGGACTTCAAGCACCGACACCCGCTCTGCGCCAGCAGTGGGGTGAAT
GGGGGCACCCAGCTCTCCATCCTGAGCAAGAGCAGCTCCCAAATCCGCATGTCTGGCCTCCCTGCTGACA
ATCTGGCCACCTGA
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Restriction Sites: NotI-NotI



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<b>ACCN:</b>	NM_001199637
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001199637.1</a></u> , <u><a href="#">NP_001186566.1</a></u>
<b>RefSeq Size:</b>	6446 bp
<b>RefSeq ORF:</b>	1344 bp
<b>Locus ID:</b>	117
<b>UniProt ID:</b>	<u><a href="#">P41586</a></u>
<b>Cytogenetics:</b>	7p14.3
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) lacks two consecutive exons in the upstream region and one exon in the downstream region in the CDS, as compared to variant 1. The resulting isoform (3) lacks two internal segments, 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.</p>