

Product datasheet for **SC338063**

ADCY10 (NM_001297772) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADCY10 (NM_001297772) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADCY10
Synonyms:	HCA2; HEL-S-7a; hsAC; SAC; SACI; Sacy
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001297772, the custom clone sequence may differ by one or more nucleotides

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ATGTCTCTCTGAAGGTGATGCACTGCTAGCCCTGTGGAGGGTGGAGCGAAAGCAGCTGAAAAACATTA
TCACAGTGGTAATTAATGTAGCCTGGAGATCCATGGATTGTTTGAGACCCAGGAGTGGGAAGAAGGCC
AGACATCCGAGTCAAGATAGGACTGGCTGCTGGCCACATCAGCATGTTGGTCTTTGGAGATGAAACACAC
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AGATCTTCCAAGGCCAAATCAATAAAGTCTTCATGTTTGACAAGGGCTGCTCTTCTCTGTGCTTTGG
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CTTGAAGCTGATAGTGAAAGAGGAAAGGATTATTTTTATCATTGATGAGGCCAGTTTGTGGATTGACC
TCCTGGAGATTTATGGAGAAGCTTATCCGGACTCTTCTATCTTCATCATTATGTCCCTGTGTCCCTTCG
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AATATGGGCCAGATAGTCTTGCCAAGAAAATGCTGAGGAAGCACTGAAGCTCCTCAACCGAATCTTTC
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AGCTCATAATGGGACACCTGGATTTGGCCATTGAGTTAGGCTCCCAGCCCTTCAGATGTGGGCACTGCT
CCAGAATCCCAACCGACATTATCAGTCCCTCTGCAGACTTAGCAGATGTCTCCTTCTGAACAGCAGATAC
CCGAATTTGATCCAGGTGCTGGGCGGGCTGTGGGAGCTTTCTGTAACACAGGAACACATCTTCAGCAAGG
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TTTGGAATTCATACCAATACGAAAACAACAGAATCCTCAAGTTCACAGTGGACTCCTCCTGGGACTT
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GCAAGTTCTTACCTTCAAAAACAAATCAAAGAACAGTCAAGAAATGCCAAGCCAGTGGGGAGGAGCTA
CTCAAGAACTGGAGAATCTGGTGGCTCAAAATACCACTGGCCCTGTCTTTTGGCCAAGGCTCTACCACC
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ACCTCTGAGTTAAAAGAAGACCAATGGCTTCAAGACGATCTTGGTCTCCCATCATGGGAAAAAATGTAG
CAGGCAGGGTAAACATTCAGGATCTTCAAAAAACAAATCTCTGATGAGAGCTAATACCGTGGACAAATCA
TTTCTAA
    
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Restriction Sites:

SgfI-MluI

ACCN:

NM_001297772

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:	NM_001297772.1 , NP_001284701.1
RefSeq Size:	5469 bp
RefSeq ORF:	4557 bp
Locus ID:	55811
UniProt ID:	Q96PN6
Cytogenetics:	1q24.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Purine metabolism
Gene Summary:	<p>The protein encoded by this gene belongs to a distinct class of adenylyl cyclases that is soluble and insensitive to G protein or forskolin regulation. Activity of this protein is regulated by bicarbonate. Variation at this gene has been observed in patients with absorptive hypercalciuria. Alternatively spliced transcript variants encoding different isoforms have been observed. There is a pseudogene of this gene on chromosome 6. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the 5' region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1.</p>