

## Product datasheet for **SC200067**

### ADCY5 (NM\_183357) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	ADCY5 (NM_183357) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ADCY5
Synonyms:	AC5; FDFM
ACCN:	NM_183357
Insert Size:	2000 bp



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**Insert Sequence:**

>SC200067 3'UTR clone of NM\_183357

The sequence shown below is from the reference sequence of NM\_183357. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTCTCAATGGAGGGCCCCGCTCAGTTCAGCAGCTGTTGGCCAATGGTGCCAGGCAGCCTGGCCTCCAG
AGGCATGGAAGCAGCTTCTCTGTGTGCCGGGGTGGCGGGGAAGCCATGCTCCAGCCCGCAGGGCTGCG
CTGCTGAGATTTTCCACTTGACTCCAGAGCAGCTTCTGCCTTTGCTGGTGGCAGCGCCCTCTGTCCC
AGGCCCGGGGTGCCAGCGTCTGCGAGACCCAGCTGACCAAAGATGTTTCCCTCTGTAGAAGACTCT
GCTAGACTGGGTCTGAAGCTTGAGTTTTCTAACAGGTGCTGCTGCACAGGTGAAAGGAGCCGTGGGAA
TGTGTGTGGCAGGCCAGACAAGGGCAGGGCTGAGGGGCTCCGACTCAGCTGGGGGTAGACGGGC
TCGAATGTGCCCTGGGAGAGCCTAGGGGCCCCAGGGGTCTGCTTTTCTATGTGAGCCTTAAACTTCA
GACAGGCCACCACCTGCACCTGCAGGGGCTTTGGCACAGGAGTCTGGCTTTGGAGGGACTGTGGCCT
TCATCGTGGTCTCTGCCACACCTCCACGCACACAGACAGTGCCTTAGGAGGAAACAGAACTAATTA
CGAGGGGGAGGCAAGAGGACGCCAAGCAAGGAGTGGTGATTCTGAGAAAAATATTTATTAATAAAAACA
AAACAAGTTCTCCGTGCCCTTCTTAGACTATGCTAGTTGATGCGTGTAAAGAGACACACAAGCAAACG
AGGACGCCACTCGGGGGAGGGCGGGGATCCCCACTTGTCTTTTTGTATTTTTATTTGTATTATTG
AAAGCCTTGAGATCTCAGATAGATAGCCAAATCTATATTTGTAATTTCTATATTAGAAAAAC
AGCTGTGCACAGCAGGGCGGGTGTGCTCATTTGTACTGTGTGTATGTCGGTGTATGACTGGTGTATAT
GTGTGTGTTCATGCTGTGGAAGTGGTCTCACACAGGATGTGTTCCCTCATTTTCAGATTTGGCAGTT
TTGGGTTTTCCAAGGTACCACCAGAGCAGTGGGTGTGCTTTTTGGGGTACCATATGCTCAGATTAAGT
AGGAGGATGCATGGACACACTGCCCATCTTTTCTGACACACGCACACGTATGTACACACATGCACACA
CCCTCCTTCCCCTAAGCAAAACGCAGATGGAATAAGAAAAACAAAAGCTGCTTTCCCATCCAGGCCGA
GCTGGAACCAAGGGAAGCAATCTCATCCTGCGACAGGCAGTGTGGTGCCCTCCACACCCTGAGATTTCA
GACGTTTTGCGGCTTACAGAGGCAGGCCACAGATTCCAGAGTGTACAGAAGGCCAGGTGCTTTGCA
GGCTGGGACGAGGAAGCAAGCCTCCCTGGCCTACTCAGTTGGCCAAGGTGCAGGTGGCTCTTCTGGA
GATGTTCACTCAGACTGGGGATGCAATGTGCAGCCTCAGGTTTGGGAAAGGGAGTGGCCTTGACCT
CCACCGCAAACAGGCAGAGGAATGGGTAGAGCCAGCTTTAGAGTCCACAGGAAAGCTAGCAGGAA
TTTTGTTTTAGTGGGAGGGGCAGTTAAACATACCAAGAAAAAAATACTATTTTTATAACCTATGAGGA
AGACATTTGAAAAATGATACTCTAGCACAGAATTCAGTGGAAATCCTTAGGCCCCATGCCAAATCTTTC
CATTGCTTCTCAGGTTAGAATGATCTTACCTCCAACATGAGCTTGGAGGTGATGAGGCAGTGGCTCTG
TGCCAGCTGCCACAATGTGACTTTGATGTCCACCTGTACCACCTCTCACTGGGCTCTAGCACCCCTC
CCCTCCCCGCACACCAACTGAACACAGCTCTGAGAAGCAAAGTGTGTGGACCCAAAACCTGCCAAGCCTG
AGTCTGTCCCCTGCTTCTGCTGCCATCCTTTGAGTTCTGCATTGCCATCCTGACGTGGCCACAGG
ACGCGTAAGCGGCCCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:**

Sgfl-MluI

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:**

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:**

[NM\\_183357.3](#)

**Summary:** This gene encodes a member of the membrane-bound adenylyl cyclase enzymes. Adenylyl cyclases mediate G protein-coupled receptor signaling through the synthesis of the second messenger cAMP. Activity of the encoded protein is stimulated by the Gs alpha subunit of G protein-coupled receptors and is inhibited by protein kinase A, calcium and Gi alpha subunits. Single nucleotide polymorphisms in this gene may be associated with low birth weight and type 2 diabetes. Alternatively spliced transcript variants that encode different isoforms have been observed for this gene. [provided by RefSeq, Dec 2010]

**Locus ID:** 111

**MW:** 73.6