

## Product datasheet for **SC326105**

### AHCYL2 (NM\_001130720) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AHCYL2 (NM_001130720) Human Untagged Clone
Tag:	Tag Free
Symbol:	AHCYL2
Synonyms:	ADOHCYASE3; IRBIT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

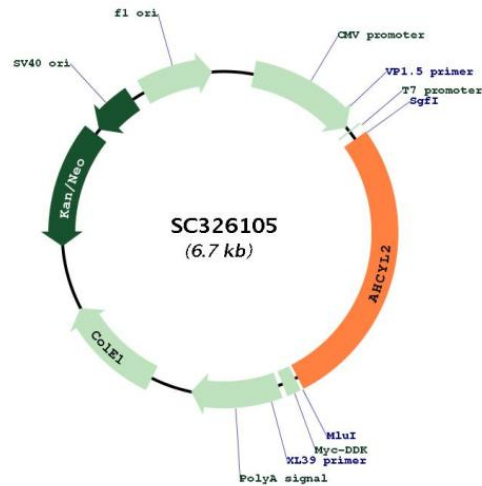


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Fully Sequenced ORF: >SC326105 representing NM\_001130720.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCGGTGCAGGTTGTGTCAGCCCGGGTCCCGCCAAGGTGCCTGAGGTGGAGCTGAAGGACCTGAGC
CCCTCCGAGGCGGAGTCGCAACTAGGACTGAGCACGGCCCGCTGGGCGCCATGGCCCCCGGGCGGC
GGTGGAGACCTGAGGCTCCAGCTCCCGCCGCGGAGCGGCCCGGTCGCCCGGCCGGGCTCGGGGCC
GCCCGCTCTCAGCCCCGCCGCGGAAGGTGCCTCAGGCGTCGGCCATGAAGCGGAGCGACCCACAT
CACCAGCACCAGCGCACCGCGACGCGGCGAGGCCCTGGTCAGCCCCGACGGCACCGTCACCGAGGCG
CCGCGCACAGTCAAGAAGATCCAGTTTGTGACCAGAAGCAAGAATTCAACAAACGTCCCACAAAATT
GGACGTCGCTCTTGTCTCGTTCATTTCTCAGTCATCTACTGACAGCTACAGCTCAGCGGCTTCATAT
ACAGATAGCTCTGATGATGAGACATCGCCAGGACAAGCAGCAAAGAAGCTCTAAGGGAAGCAGTGAC
TTCTGTGTTAAGAACATCAAACAGGCAGAGTTTGGACGAAGAGAAATTGAAATTGCTGAACAAGAAATG
CCTGCATTGATGGCTTTGAGGAAGAGAGCTCAAGGAGAAAAGCCTTTGGCTGGAGCCAAAATCGTGGGT
TGCACACACATCACTGCTCAGACTGCTGTGCTTATGAAAAGCTCTGGGTGCTCTGGGGGCCAGTGCCGA
TGGGCTGCCTGCAACATCTATCCACTCTCAATGAAGTGGCTGCTGCTCTAGCAGAAAGTGGATTCCT
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ATATGGCCTGATGGCAAGAGGATAGTACTGCTGGCAGAGGGCCGCTGCTGAACCTTAGCTGCTCCACA
GTGCTACATTTGTGCTCTCAATCACTGCTACTACTCAGGCTCTTGCCTTGATAGAGCTTTACAATGCT
CCTGAGGGTCGATAAGCAGGATGTCTACCTGTTGCCAAGAAGATGGATGAGTATGTGGCCAGCCTA
CACCTGCCTACCTTTGATGCCACTTGACAGAGCTGACAGATGAACAGGCCAAGTATCTGGGACTCAAC
AAGAATGGGCCCTTCAAGCCTAATTACTACAGGTATTA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001130720

**Insert Size:** 1833 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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:** [NM\\_001130720.2](#)

**RefSeq Size:** 5072 bp

**RefSeq ORF:** 1833 bp

**Locus ID:** 23382

**UniProt ID:** [Q96HN2](#)

**Cytogenetics:** 7q32.1

<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Cysteine and methionine metabolism, Metabolic pathways, Selenoamino acid metabolism
<b>MW:</b>	66.6 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene acts as a homotetramer and may be involved in the conversion of S-adenosyl-L-homocysteine to L-homocysteine and adenosine. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform b), compared to isoform a.</p>