

Product datasheet for **SC326004**

AHCYL2 (NM_001130722) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: AHCYL2 (NM_001130722) Human Untagged Clone
Tag: Tag Free
Symbol: AHCYL2
Synonyms: ADOHCYASE3; IRBIT2
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001130722, the custom clone sequence may differ by one or more nucleotides

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ATGGAGAAGTGGGACGGTAATGAGGGCACCTCAGCTTTTCACATGCCTGAGTGGATGCAG
ATCCAGTTTGTGACCAGAAGCAAGAATCAACAAACGTCCCACCAAATGGACGTCGC
TCTTTGTCTCGTCCATTTCTCAGTCATCTACTGACAGCTACAGCTCAGCGGCTTCATAT
ACAGATAGCTCTGATGATGAGACATCGCCAGGGACAAGCAGCAAAGAAGCTCTAAGGGA
AGCAGTGACTTCTGTGTTAAGAACATCAAACAGGCAGAGTTTGGACGAAGAGAAATTGAA
ATTGCTGAACAAGAAATGCCTGCATTGATGGCTTTGAGGAAGAGAGCTCAAGGAGAAAAG
CCTTTGGCTGGAGCCAAATCGTGGGTTGCACACACATCACTGCTCAGACTGCTGTGCTT
ATGGAAACTCTGGGTGCTCTGGGGGCCAGTGCCGATGGGCTGCCTGCAACATCTATTCC
ACTCTCAATGAAGTGGCTGCTGCTCTAGCAGAAAGTGGATTTCCCTGTTTTGCCTGGAAG
GGAGAGTCAGAAGATGACTTTTGGTGGTGTATCGATAGATGTGTGAATGTGGAGGGCTGG
CAGCCAAACATGATCTTGGATGATGGAGGGGATCTTACCCACTGGATTTATAAAAAGTAT
CCCAACATGTTTAAGAAAATCAAGGGCATAGTAGAGGAGAGTGTACTGGAGTTCACAGG
CTGTACCAACTGTCCAAAGCTGGGAAGCTGTGTGTTCCAGCCATGAATGTCAATGACTCA
GTCACCAAACAGAAATTTGACAACCTCTACTGTTGCCGTGAATCAATTCCTGATGGACTT
AAAAGGACAACAGACATGATGTTTGGTGGAAAGCAAGTGGTAGTCTGTGGCTATGGAGAG
GTGGGGAAAGGGTGTGTGCTGCCCTGAAAGCCATGGGCTCCATTGTGTATGTAAGTAA
ATTGACCCCATCTGTGCCCTGCAAGCCTGTATGGATGGATTTGACTGGTGAATTAAT
GAGGTCATCCGACAAGTGGACATTGTTATTACCTGTACAGGTAACAAGAATGTGGTAACC
AGAGAGCACTTGGACCGTATGAAGAATAGCTGCATCGTTTGTAAACATGGGACATTCCAAC
ACAGAGATTGACGTGGCGAGTCTGCGGACACCAGAACTGACCTGGGAGCGAGTGAGATCT
CAAGTTGACCATGTGATATGGCCTGATGGCAAGAGGATAGTACTGCTGGCAGAGGGCCGC
CTGCTGAACCTTAGCTGCTCCACAGTGCCTACATTTGTGCTCTCAATCACTGCTACTACT
CAGGCTCTTGCCCTGATAGAGCTTTACAATGCTCCTGAGGGTTCGCTATAAGCAGGATGTC
TACCTGTTGCCCAAGAAGATGGATGAGTATGTGGCCAGCCTACACCTGCCTACCTTTGAT
GCCCACTTGACAGAGCTGACAGATGAACAGGCCAAGTATCTGGGACTCAACAAGAATGG
CCCTTCAAGCCTAATTACTACAGGTAT
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Restriction Sites: Please inquire
ACCN: NM_001130722



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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:	<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:	<u>NM_001130722.1</u> , <u>NP_001124194.1</u>
RefSeq Size:	5064 bp
RefSeq ORF:	1530 bp
Locus ID:	23382
UniProt ID:	<u>Q96HN2</u>
Cytogenetics:	7q32.1
Protein Families:	Druggable Genome
Protein Pathways:	Cysteine and methionine metabolism, Metabolic pathways, Selenoamino acid metabolism
Gene Summary:	<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 (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. This variant also uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The encoded isoform (c) has a distinct N-terminus and is shorter than isoform a.</p>