

Product datasheet for **SC326003**

AHCYL2 (NM_001130723) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AHCYL2 (NM_001130723) Human Untagged Clone
Tag:	Tag Free
Symbol:	AHCYL2
Synonyms:	ADOHCYASE3; IRBIT2
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001130723, the custom clone sequence may differ by one or more nucleotides ATGGAGAAGTGGGACGGTAATGAGGGCACCTCAGCTTTTCACATGCCTGAGTGGATGATC CAGTTTGTGCTGACCAGAAGCAAGAATTCAACAAACGTCCCACAAAATTGGACGTCGCTCT TTGTCTCGTTCCATTTCTCAGTCATCTACTGACAGCTACAGCTCAGCGGCTTCATATACA GATAGCTCTGATGATGAGACATCGCCAGGGACAAGCAGCAAAAGAACTTAAGGGAAGC AGTGACTTCTGTGTTAAGAACATCAAACAGGCAGAGTTTGGACGAAGAGAAATTGAAATT GCTGAACAAGAAATGCCTGCATTGATGGCTTTGAGGAAGAGAGCTCAAGGAGAAAAGCCT TTGGCTGGAGCCAAAATCGTGGGTTGCACACACATCACTGCTCAGACTGCTGTGCTTATG GAAACTCTGGGTGCTCTGGGGGCCAGTGCCGATGGGCTGCCTGCAACATCTATTCCACT CTCAATGAAGTGGCTGCTGCTCTAGCAGAAAGTGGATTTCTGTTTTGCCTGGAAGGGA GAGTCAGAAGATGACTTTTGGTGGTGTATCGATAGATGTGTGAATGTGGAGGGCTGGCAG CCAAACATGATCTTGGATGATGGAGGGGATCTTACCCACTGGATTTATAAAAAGTATCCC AACATGTTAAGAAAAATCAAGGGCATAGTAGAGGAGAGTGTACTGGAGTTCACAGGCTG TACCAACTGTCCAAAGCTGGGAAGCTGTGTGTTCCAGCCATGAATGTCAATGACTCAGTC ACCAAACAGAAAATTTGACAACCTCTACTGTTGCCGTGAATCAATCTTGTGACTTAAA AGGACAACAGACATGATGTTTGGTGGAAAGCAAGTGGTAGTCTGTGGCTATGGAGAGGTG GGGAAAGGGTGTGTGCTGCCCTGAAAGCCATGGGCTCCATTGTGTATGTAAGTAAAT GACCCCATCTGTGCCCTGCAAGCCTGTATGGATGGATTTGACTGGTGAATTAATGAG GTCATCCGACAAGTGGACATTGTTATTACCTGTACAGGTAACAAGAATGTGGTAACCAGA GAGCACTTGGACCGTATGAAGAAATAGCTGCATCGTTTGAACATGGGACATTCCAACACA GAGATTGACGTGGCGAGTCTGCGGACACCAGAAGTACCTGGGAGCGAGTGAGATCTCAA GTTGACCATGTGATATGGCCTGATGGCAAGAGGATAGTACTGCTGGCAGAGGGCCGCTG CTGAACCTTAGCTGCTCCACAGTGCCTACATTTGTCTCTCAATCACTGCTACTACTCAG GCTCTTGCCTTGATAGAGCTTTACAATGCTCCTGAGGGTCGCTATAAGCAGGATGTCTAC CTGTTGCCAAGAAGATGGATGAGTATGTGGCCAGCCTACACCTGCCTACCTTTGATGCC CACTTGACAGAGCTGACAGATGAACAGGCCAAGTATCTGGGACTCAACAAGAATGGGCC TTCAAGCCTAATTACTACAGGTAT
Restriction Sites:	Please inquire
ACCN:	NM_001130723



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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:	NM_001130723.1 , NP_001124195.1
RefSeq Size:	5061 bp
RefSeq ORF:	1527 bp
Locus ID:	23382
UniProt ID:	Q96HN2
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 (4) 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 (d) has a distinct N-terminus and is shorter than isoform a.</p>