

Product datasheet for **SC322278**

AHCYL1 (NM_006621) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AHCYL1 (NM_006621) Human Untagged Clone
Tag:	Tag Free
Symbol:	AHCYL1
Synonyms:	DCAL; IRBIT; PPP1R78; PRO0233; XPVKONA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_006621, the custom clone sequence may differ by one or more nucleotides

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ATGTCGATGCCTGACGCGATGCCGCTGCCCGGGTCCGGGAGGAGCTGAAGCAGGCCAAGGAGATCGAGG
ACGCCGAGAAGTACTCCTTCATGGCCACCGTCACCAAGGCGCCCAAGAAGCAAATCCAGTTTGTGATGA
CATGCAGGAGTTCACCAAATCCCACCAAACCTGGCCGAAGATCTTTGTCTCGCTCGATCTCACAGTCC
TCCACTGACAGCTACAGTTCAGCTGCATCCTACACAGATAGCTCTGATGATGAGGTTTCTCCCGAGAGA
AGCAGCAAACCAACTCCAAGGGCAGCAGCAATTTCTGTGTGAAGAACATCAAGCAGGCAGAAATTTGGACG
CCGGGAGATTGAGATTGCAGAGCAAGACATGTCTGCTCTGATTTCACTCAGGAAACGTGCTCAGGGGGAG
AAGCCCTTGGCTGGTGTAAAATAGTGGCTGTACACACATCACAGCCAGACAGCGGTGTTGATTGAGA
CACTCTGTGCCCTGGGGCTCAGTGCCGCTGGTCTGCTTGAACATCTACTCAACTCAGAATGAAGTAGC
TGCAGCACTGGCTGAGGCTGGAGTTGCAGTGTTCGCTTGAAGGGCGAGTCAGAAGATGACTTCTGGTGG
TGTATTGACCGCTGTGTGAACATGGATGGTGGCAGGCCAACATGATCCTGGATGATGGGGGAGACTTAA
CCCCTGGGTTTATAAGAAGTATCCAAACGTGTTAAGAAGATCCGAGGCATTGTGAAGAGAGCGTGAC
TGGTGTTCACAGGCTGTATCAGCTCTCCAAAGCTGGGAAGCTCTGTGTTCCGGCCATGAACGTCAATGAT
TCTGTTACCAAACAGAAGTTTGATAACTTGTACTGCTGCCGAGAATCCATTTTGGATGGCCTGAAGAGGA
CCACAGATGTGATGTTTGGTGGGAAACAAGTGGTGGTGTGTGGCTATGGTGAAGTAGGCAAGGGCTGCTG
TGCTGCTCTCAAAGCTCTTGGAGCAATTGTCTACATTACCGAAATCGACCCCATCTGTGCTCTGCAGGCC
TGCATGGATGGGTTCCAGGGTGGTAAAGCTAAATGAAGTCATCCGGCAAGTCGATGTCGTAATAACTTGCA
CAGGAAATAAGAATGTAGTGACACGGGAGCACTTGGATCGCATGAAAAACAGTTGTATCGTATGCAATAT
GGGCCACTCCAACACAGAAATCGATGTGACCAGCCTCCGCACTCCGGAGCTGACGTGGGAGCGAGTACGT
TCTCAGGTGGACCATGTCATCTGGCCAGATGGCAAACGAGTTGTCCTCCTGGCAGAGGGTCTACTCA
ATTTGAGCTGCTCCACAGTTCACACCTTTGTTCTGTCCATCACAGCCACAACACAGGCTTTGGCACTGAT
AGAACTCTATAATGCACCCGAGGGGCGATACAAGCAGGATGTGTACTTGTCTTCTAAGAAAATGGATGAA
TACGTTGCCAGCTTGCATCTGCCATCATTTGATGCCACCTTACAGAGCTGACAGATGACCAAGCAAAT
ATCTGGGACTCAACAAAATGGGCCATTCAAACCTAATTATTACAGATACTAA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_006621
- 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_006621.4, NP_006612.2</u>
RefSeq Size:	4024 bp
RefSeq ORF:	1593 bp
Locus ID:	10768
UniProt ID:	<u>O43865</u>
Cytogenetics:	1p13.3
Domains:	AdoHcyase
Protein Families:	Druggable Genome
Protein Pathways:	Cysteine and methionine metabolism, Metabolic pathways, Selenoamino acid metabolism
Gene Summary:	<p>The protein encoded by this gene interacts with inositol 1,4,5-trisphosphate receptor, type 1 and may be involved in the conversion of S-adenosyl-L-homocysteine to L-homocysteine and adenosine. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>