

## Product datasheet for **SC330001**

### AHCYL1 (NM\_001242675) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** AHCYL1 (NM\_001242675) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** AHCYL1  
**Synonyms:** DCAL; IRBIT; PPP1R78; PRO0233; XPVKONA  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330001 representing NM\_001242675.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCAGGAGTTCACCAAATTCACCAAAAACCTGGCCGAAGATCTTTGTCTCGCTCGATCTCACAGTCC
TCCACTGACAGCTACAGTTCAGCTGCATCTACACAGATAGCTCTGATGATGAGGTTTCTCCCGAGAG
AAGCAGCAAACCAACTCCAAGGGCAGCAGCAATTTCTGTGTGAAGAACATCAAGCAGGCAGAATTTGGA
CGCCGGGAGATTGAGATTGCAGAGCAAGACATGTCTGCTCTGATTTCACTCAGGAAACGTGCTCAGGGG
GAGAAGCCCTTGGCTGGTGTCTAAAATAGTGGGCTGTACACACATCACAGCCAGACAGCGGTGTTGATT
GAGACACTCTGTGCCCTGGGGCTCAGTGCCGCTGGTCTGCTTGAACATCTACTCAACTCAGAATGAA
GTAGCTGCAGCACTGGCTGAGGCTGGAGTTGCAGTGTTCGCTTGAAGGGCGAGTCAGAAGTACTTC
TGGTGGTGTATTGACCGCTGTGTGAACATGGATGGGTGGCAGGCCAACATGATCCTGGATGATGGGGGA
GACTTAACCCACTGGGTTTATAAGAAGTATCCAACCGTGTTTAAGAAGATCCGAGGCATTGTGGAAGAG
AGCGTGACTGGTGTTCACAGGCTGTATCAGCTCTCCAAGCTGGGAAGCTCTGTGTTCCGGCCATGAAC
GTCAATGATTCTGTTACCAAACAGAAGTTTGATAAATTGACTGCTGCCGAGAATCCATTTGGATGGC
CTGAAGAGGACCACAGATGTGATGTTTGGTGGGAAACAAGTGGTGGTGTGTTGGCTATGGTGAGGTAGGC
AAGGGCTGCTGTGCTGCTCTCAAAGCTCTGGAGCAATTGTCTACATTACCGAAATCGACCCCATCTGT
GCTCTGCAGGCCTGCATGGATGGGTTTCAGGGTGGTAAAGCTAAATGAAGTCATCCGGCAAGTCGATGTC
GTAATAAATTGCACAGGAAATAAGAATGTAGTGACACGGGAGCACTTGGATCGCATGAAAAACAGTTGT
ATCGTATGCAATATGGGCCACTCCAACACAGAAATCGATGTGACCAGCCTCCGCACTCCGGAGCTGACG
TGGGAGCGAGTACGTTCTCAGGTGGACCATGTCATCTGGCCAGATGGCAAACGAGTTGCTCCTCTGGCA
GAGGGTCGTCTACTCAATTTGAGCTGCTCCACAGTTCCACCTTTGTTCTGTCCATCACAGCCACAACA
CAGGCTTTGGCACTGATAGAACTCTATAATGCACCCGAGGGGCGATACAAGCAGGATGTGTACTTGCTT
CCTAAGAAAATGGATGAATACGTTGCCAGCTTGCATCTGCCATCATTGATGCCACCTTACAGAGCTG
ACAGATGACCAAGCAAAATATCTGGGACTCAACAAAAATGGGCCATTCAAACCTAATTATTACAGATAC
TAA
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001242675  
**Insert Size:** 1452 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001242675.1</a></u>
<b>RefSeq Size:</b>	4044 bp
<b>RefSeq ORF:</b>	1452 bp
<b>Locus ID:</b>	10768
<b>UniProt ID:</b>	<u><a href="#">O43865</a></u>
<b>Cytogenetics:</b>	1p13.3
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Cysteine and methionine metabolism, Metabolic pathways, Selenoamino acid metabolism
<b>MW:</b>	53.8 kDa
<b>Gene Summary:</b>	<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 (4) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2, 3, 4, and 5 all encode the same isoform (b). 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>