

Product datasheet for **RC232831**

AHCYL1 (NM_001242675) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AHCYL1 (NM_001242675) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AHCYL1
Synonyms:	DCAL; IRBIT; PPP1R78; PRO0233; XPVKONA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC232831 representing NM_001242675
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAGGAGTTACCAAATTCGCCACAAAACCTGGCCGAAGATCTTTGTCTCGCTCGATCTCACAGTCT
 CCACTGACAGCTACAGTTCAGCTGCATCCTACACAGATAGCTCTGATGATGAGGTTTCTCCCGAGAGAA
 GCAGCAAACCAACTCCAAGGGCAGCAGCAATTTCTGTGTGAAGAACATCAAGCAGGCAGAATTTGGACGC
 CGGGAGATTGAGATTGCAGAGCAAGACATGTCTGCTCTGATTTCACTCAGGAAACGTGCTCAGGGGAGA
 AGCCCTTGGCTGGTGCTAAAATAGTGGCTGTACACACATCACAGCCAGACAGCGGTGTTGATTGAGAC
 ACTCTGTGCCCTGGGGCTCAGTCCGCTGGTCTGCTTGAACATCTACTCAACTCAGAATGAAGTAGCT
 GCAGCACTGGCTGAGGCTGGAGTTCAGTGTTCGCTTGAAGGGCGAGTCAGAAGATGACTTCTGGTGGT
 GTATTGACCGCTGTGTGAACATGGATGGTGGCAGGCCAACATGATCCTGGATGATGGGGGAGACTTAAC
 CCACTGGGTTTATAAGAAGTATCCAACGTGTTTAAAGAAGATCCGAGGCATTGTGAAGAGAGCGTGACT
 GGTGTTACAGGCTGTATCAGCTCTCAAAGCTGGGAAGCTCTGTGTTCCGGCCATGAACGTCAATGATT
 CTGTTACCAAACAGAAGTTTGATAAATTGTACTGCTGCCGAGAATCCATTTTGGATGGCCTGAAGAGGAC
 CACAGATGTGATGTTGGTGGGAAACAAGTGGTGGTGTGGCTATGGTGGAGTAGGCAAGGGCTGCTGT
 GCTGCTCTCAAAGCTCTTGGAGCAATTGTCTACATTACCGAAATCGACCCCATCTGTGCTCTGCAGGCC
 GCATGGATGGGTTTCAAGGTTAAAGCTAAATGAAGTCAATCCGGCAAGTCGATGTCGTAATAACTTGCAC
 AGGAAATAAGAATGTAGTGACACGGGAGCACTGGATCGCATGAAAAACAGTTGTATCGTATGCAATG
 GGCCACTCCAACACAGAAATCGATGTGACCAGCCTCCGCACTCCGGAGCTGACGTGGGAGCGAGTACGTT
 CTCAGGTGGACCATGTCATCTGGCCAGATGGCAAACGAGTTGTCCTCCTGGCAGAGGGTCTACTCAA
 TTTGAGCTGCTCCACAGTTCACCTTTGTTCTGTCCATCACAGCCACAACACAGGCTTTGGCAGTATA
 GAACTCTATAATGCACCCGAGGGCGATACAAGCAGGATGTGACTTGTCTTCTAAGAAAATGGATGAAT
 ACGTTGCCAGCTTGCATCTGCCATCATTTGATGCCACCTTACAGAGCTGACAGATGACCAAGCAAATA
 TCTGGGACTCACAAAAATGGGCCATTCAAACCTAATTATTACAGATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232831 representing NM_001242675
 Red=Cloning site Green=Tags(s)

MQEFTKFPTKTGRRSLRSISQSSTDSYSSAASYTSSDDEVSPREKQQTNSKGSNFCVKNIKQAEFGR
 REIEIAEQDMSALISLRKRAQGEKPLAGAKIVGCTHITAQTAVLIETLICALGAQCRWSACNIYSTQNEVA
 AALAEAGVAVFAWKGESEDDFWCIDRCVNMDGWQANMILDDGGDLTHWVYKYPNVFKIRGIVEESVT
 GVHRLYQLSKAGKLCVPAMNVNDSVTKQKFDNL YCCRESILDGLKRTTDMFVGKQVVVCGYGEVKGCC
 AALKALGAIVYITEIDPICALQACMDGFRVVKLNEVIRQVDVVICTGNKNVVTREHLDRMKNSCIVCNM
 GHSNTEIDVTSRLRPEL TWERVRSQVDHVIWPDGKRVLLEAGRLLNLSCSTVPTFVLSITATTQALALI
 ELYNAPEGRYKQDVYLLPKKMDEYVASLHLP SFD AHL TELTDDQAKYLGLNKNKNGPFKPNYYRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

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_001242675.2
RefSeq Size:	4044 bp
RefSeq ORF:	1452 bp
Locus ID:	10768
UniProt ID:	O43865
Cytogenetics:	1p13.3
Protein Families:	Druggable Genome
Protein Pathways:	Cysteine and methionine metabolism, Metabolic pathways, Selenoamino acid metabolism
MW:	54.2 kDa
Gene Summary:	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]