

Product datasheet for **RC225873**

AHCYL2 (NM_001130723) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AHCYL2 (NM_001130723) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AHCYL2
Synonyms:	ADOHCYASE3; IRBIT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC225873 representing NM_001130723
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGAAGTGGGACGGTAATGAGGGCACCTCAGCTTTTCACATGCCTGAGTGGATGATCCAGTTTGCTG
 ACCAGAAGCAAGAATTCAACAAACGTCCACCAAATGGACGTGCTCTTTGTCTCGTTCCATTCTCA
 GTCATCTACTGACAGCTACAGCTCAGCGCTTCATATACAGATAGCTCTGATGATGAGACATCGCCCAGG
 GACAAGCAGCAAAAGAACTCTAAGGGAAGCAGTGACTTCTGTGTTAAGAACATCAAACAGGCAGAGTTTG
 GACGAAGAGAAATTGAAATTGCTGAACAAGAAATGCCTGCATTGATGGCTTTGAGGAAGAGAGCTCAAGG
 AGAAAAGCCTTTGGCTGGAGCCAAAATCGTGGGTTGCACACACATCACTGCTCAGACTGCTGTGCTTATG
 GAAACTCTGGGTGCTCTGGGGCCAGTGCCGATGGGCTGCCTGCAACATCTATTCCACTCTCAATGAAG
 TGGCTGCTGCTCTAGCAGAAAGTGGATTTCCTGTTTTTGCCTGGAAGGGAGAGTCAAGATGACTTTTTG
 GTGGTGTATCGATAGATGTGTGAATGTGGAGGGCTGGCAGCCAAACATGATCTTGGATGATGGAGGGGAT
 CTTACCCACTGGATTTATAAAAAGTATCCCAACATGTTTAAAGAAAATCAAGGGCAGATAGTAGGAGAGTG
 TACTGGAGTTCACAGGCTGTACCAACTGTCCAAGCTGGGAAGCTGTGTGTTCCAGCCATGAATGTCAA
 TGACTCAGTCACCAAACAGAAATTTGACAACTCTACTGTTGCCGTGAATCAATTCTTGATGGACTTAAA
 AGGACAACAGACATGATGTTTGGTGGAAAGCAAGTGGTAGTCTGTGGCTATGGAGAGGTGGGAAAGGGT
 GCTGTGCTGCCCTGAAAGCCATGGGCTCCATTGTGTATGTAACGAAATGACCCCATCTGTGCCCTGCA
 AGCCTGTATGGATGGATTTCGACTGGTGAATTAATGAGGTATCCGACAAGTGACATTGTTATTACC
 TGTACAGGTAACAAGAATGTGGTAACCAGAGAGCACTGGACCGATGAAGAATAGTGCATCGTTTGTA
 ACATGGGACATTCCAACACAGAGATTGACGTGGCGAGTCTGCGGACACCAGAAGTACCTGGGAGCGGAT
 GAGATCTCAAGTTGACCATGTGATATGGCCTGATGGCAAGAGGATAGTACTGCTGGCAGAGGGCCGCTG
 CTGAACCTTAGCTGCTCCACAGTGCCTACATTTGTGCTCTCAATCACTGCTACTACTCAGGCTCTTGCT
 TGATAGAGCTTTACAATGCTCCTGAGGGTGCCTATAAGCAGGATGTCTACCTGTTGCCAAAGAAGATGGA
 TGAGTATGTGGCCAGCCTACACCTGCCTACCTTTGATGCCCACTTGACAGAGCTGACAGATGAACAGGCC
 AAGTATCTGGGACTCAACAAGAATGGGCCCTTCAAGCCTAATTACTACAGGTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225873 representing NM_001130723
 Red=Cloning site Green=Tags(s)

MEKWDGNEGTSAFHMPWMIQFADQKQEFNKRPTKIGRRSLSRISQSSSTDSYSSAASYTSSDDETSR
 DKQKNSKSSDFCVKNIKQAEFGRREIEIAEQEMPALMALRKRAQGEKPLAGAKIVGCTHITAQTAVLM
 ETLGALGAQCRWAACNIYSTLNEVAAALAESGFPVFAWKGESEDDFWWCIDRCVNVGEWQPNMILDDGGD
 LTHWIYKYPNMFKIKIGIVEESVTGVHRLYQLSKAGKLCVPAMNVNDSVTKQKFDNLYCCRESILDGLK
 RTTDMFVGKQVVVCGYGEVKGCCAALKAMGSIVYVTEIDPICALQACMDGFRLVKLNEVIRQVDIVIT
 CTGNKNVVTREHLDRMKNSCIVCNMHSNTEIDVASLRPELTWERVRSQVDHVIWPDGKRIVLLAEGRL
 LNLSCSTVPTFVLSITATTQALALIELYNAPEGRYKQDVYLLPKKMDEYVASLHLPFD AHL TELTDEQA
 KYLGLNKNGPFKPNYYRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8064_b12.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001130723

ORF Size: 1524 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_001130723.3](#)

RefSeq ORF: 1527 bp

Locus ID: 23382

UniProt ID: [Q96HN2](#)

Cytogenetics: 7q32.1

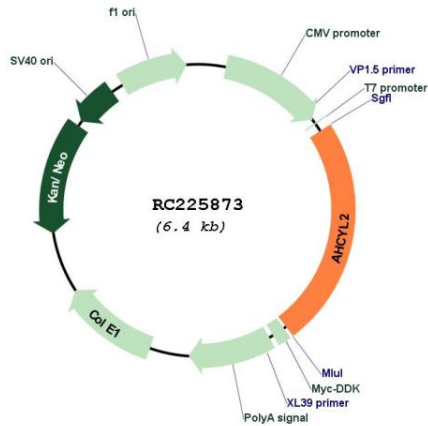
Protein Families: Druggable Genome

Protein Pathways: Cysteine and methionine metabolism, Metabolic pathways, Selenoamino acid metabolism

MW: 56.8 kDa

Gene Summary: 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]

Product images:



Circular map for RC225873