

Product datasheet for **MG206898**

Ahcy (NM_016661) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ahcy (NM_016661) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ahcy
Synonyms: AA987153; AL024110; CuBP; SAHH
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206898 representing NM_016661
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTGATAAACTGCCCTACAAAGTCGCGGACATCGGACTGGCCGCTGGGGACGGAAGGCTCTGGATA
 TAGCTGAGAATGAGATGCCAGGATTGATGCGCATGCGGGAGATGACTCAGCCTCAAGCCACTGAAGGG
 TGCTCGCATTGCTGGCTGCCTGCACATGACCGTGGAGACTGCTGTTCTCATTGAGACTCTCGTGGCCCTG
 GGTGCTGAGGTGCGGTGGTCCAGCTGCAACATCTTCTCTACTCAGGACCATGCAGCGCTGCCATTGCCA
 AGGCTGGCATTCCAGTGTTCCTGGAAGGGCGAGACAGATGAGGAGTACCTGTGGTGCATTGAGCAGAC
 GCTGCACTTCAAGGACGGACCCCTCAACATGATTCTGGATGATGGTGGTACCTTACTAACCTCATCCAC
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 CAAGTTTGACAACCTCTATGGCTGCCGGGAGTCCCTCATAGATGGCATCAAACGGGCCACAGATGTGATG
 ATTGCGGGCAAGGTGGCGGTGGTGGCAGGCTATGGTGTGTGGGCAAGGGCTGTGCCAGGCCCTGAGGG
 GTTTTGGGGCCGAGTCATCATCCGAGATCGACCCATCAATGCACTGCAAGCTGCCATGGAGGGCTA
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 ATGGGACACCCAGCTTCGTGATGAGCACTCCTTCAAAACCAGGTGATGGCACAGATTGAGCTGTGGA
 CCCACCCAGATAAATACCCTGTTGGGTTCACTTCCTGCCTAAGAAGCTGGATGAGGCGGTGGTGAAGC
 CCACCTGGGCAAGCTGAATGTGAAGCTGACCAAGCTGACTGAGAAGCAGGCCAGTACCTGGGCATGCC
 ATCAACGGCCCTTCAAGCCTGACTACTACCGCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206898 representing NM_016661
 Red=Cloning site Green=Tags(s)

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MSDKLPYKVADIGLAAWGRKALDIAENEMPLMRMREMYASASKPLKGARIAGCLHMTVETAVLIETLVAL
GAEVRWSSCNIFSTQDHAAAAIAKAGIPVFAWKGETDEEYLWCIEQTLHFKDGPLNMILDDGGDLTNLIH
TKYPQLLSGIRGISEETTTGVHNLNMMNSGILKVPAINVNDVTKSKFDNLYGCRESLIDGIKRATDVM
IAGKVAVVAGYGDVKGCAQALRGFGARVIITEIDPINALQAAMEGYEVTMTDEACKEGNIFVTTTGCVD
IILGRHFEQMKDDAIVCNIGHFDVEIDVKWLNENAVEKVNKPKQVDRYWLNKNGRRIILLAEGRVLNLGCA
MGHPSFVMSNSFTNQVMAQIELWTHPKYPVGVHFLPKKLDEAVAEHLGKLVNKLTKLTKQAQYLGMPI
NGPFKPDHYRY
```

TRTRPLE - GFP Tag - V

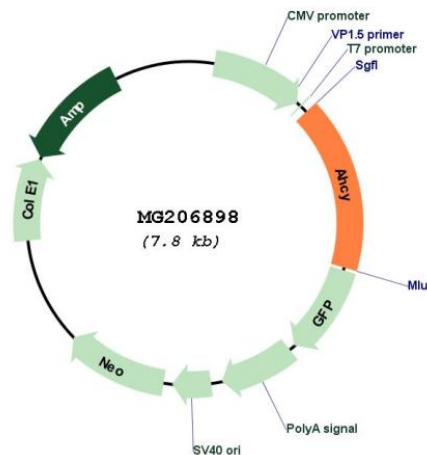
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_016661

ORF Size:	1296 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:	<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_016661.2 , NP_057870.2
RefSeq Size:	2498 bp
RefSeq ORF:	1299 bp
Locus ID:	269378
UniProt ID:	P50247
Cytogenetics:	2 76.94 cM
Gene Summary:	Adenosylhomocysteine is a competitive inhibitor of S-adenosyl-L-methionine-dependent methyl transferase reactions; therefore adenosylhomocysteinase may play a key role in the control of methylations via regulation of the intracellular concentration of adenosylhomocysteine.[UniProtKB/Swiss-Prot Function]