

Product datasheet for **SC324168**

ATCAY (NM_033064) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATCAY (NM_033064) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATCAY
Synonyms:	BNIP-H; CLAC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_033064.3
 GCCGAGCCTCTGCCAGCCCTGAGCTGGGAAGAAGCAGCTACCTCGGAGGCAGGGCGCGCA
 GGCGGGCGGCGATGAGAGGGGGCGCAGCCCGAGCCCGCGCTGGGGAGCCACCCTAAC
 CCTGCACCCACCCACCCCTGCACAAAAGAGCTGGCGGGCGCTGGCCACGTGCGCCTGGG
 TGACCTTCTCGGATGCAGAATCCGCCCTGCGAGCATCTTCTCTCTAGGCTCTGAA
 GGCCCGGGGAGCGTGAGCGATGCCAGCTGCACCCGGGAGGGCTCGCCTTTGTTTGCA
 GTAAGGAGGAGAGGCTGTCTCAGCTGCAGAGGGGTATCCCTGCTTCAAGCCAGTGCCTC
 TTCCAGCTCCCATGGGGACCACCGAAGCCACGCTCCGGATGAAAAACGTGGACGTGAAG
 GAGGAATGGCAGGACGAAGATCTTCCAGGCCACTCCCAGAAGAGACGGGGTGAAGTCTG
 CTTGGCAGCCCGGTGAAGACACATCTCTCTCCCAACACGCTAAATTTCAACGGAGCG
 CATCGTAAGAGGAAGACGCTGGTGGCCCCAGAGATCAACATTTCTCTGGATCAGAGTGAG
 GGGTCCCTGCTGTCGATGACTTCTGGATACCCCTGATGACCTGGATATTAACGTGGAT
 GACATCGAGACCCCGATGAGACCGACTCGCTGGAGTTCTGGGAATGGCAACGAACTG
 GAGTGGGAAGACGACACCCCGTGGCCACCGCCAAGAATGCCCGGGGACAGCGCGGAT
 CTATTTGGGGACGCGACGAGCGGAGGACGCGAGCGCCCAACGGGCGCTGTGGCGGACA
 GTGATCATCGGGAGCAAGAGCACCGTATAGACCTGCACATGATCCGGCCTTACATGAAA
 GTGGTCACCCACGGAGGGTACTACGGCGAAGGCCTCAACGCCATCATCGTCTTCGACGC
 TGCTTCTTCCAGACAGCAGCCTCCCGACTACCACTACATCATGGAGAACCTTCTCTG
 TACGTCATCAGCAGCTTAGAGCTCCTGGTGGCTGAGGACTACATGATCGTGTACCTGAAC
 GGTGCCACGCCCCGGCGGAGGATGCCTGGAATCGGCTGGCTGAAGAAGTGTACCCAGATG
 ATCGACCGGAGGTTGCGGAAAACTGAAGTCTTGATCATCGTCCACCCCTCGTGGTTC
 ATTCGGACTGTCTGGCCATCTCTCGCCCTTTCATCAGCGTCAAGTTCATCAACAAGATC
 CAGTACGTGCACAGCTTGAAGACCTGGAGCAACTCATCCCTATGGAACAGTCCAGATC
 CCAGACTGCGTCTGCAATACGAAGAGGAAAGACTGAAGGCCAGGAGGGAGAGCGCGAGG
 CCCCAGCCGAGTGTGTCTGCCAGGTCTGAAGAGAAGCCAGAGGTGGCACCAGTGAA
 AACAGGTCTGCTCTGGTCTCAGAAGATCAGGAAACAAGCATGCTCTGAGGCGACGTGAGC
 ATAACAAGGACATGGAAGAAGATTCCAGATGCCAGAAAACCTCTGTCAGACGCCCACTG
 GCCCAGATCTCATCTGCCTCATCTGAGTCCCAATCTTCAAGGGTGGCAGCCCTCC
 GTTCATCTCTGAAACCCAGCATCTTTTCTCAGTCTTGAAACATTGTATTTTTTTTTTT
 TAACGATGCAGTATTTGTGCGTTCAGAAAAGGGCCAGCTCTGAGCCCCCTACCCTTCC
 AACTCAGCAACTCTCAGCCGAGGAAGGCAAGAAGCGCAGGGGGTGGCCCGCTGGCGTC
 GGTGGCCTCCGCTCCTGCTCGCAGCCCTGTGGTCAAGCTGGATACAAGATTCAAGACC
 TTCTCTTGCTTGTACCCGCTCCAGGTTGGAGCCACAGACACCCACCGCCACCCCGGCT
 GGGTCTGCGTCTTCTCTGTGCCTTCCCTCCAGAATGCGGCCTCAGACCTAGAAGCTCA
 ACCCCCCATGAGGGCCACGTCTGGGGTAGCTCCTGACCTCCGACCTTATGTCCAAATT
 TCACACCCATGGTTTTTCAATTTGACCCGCCCTTCTCGTCTATAATGACACCCAGCTCC
 TTTGAGAGGATCAGAGCCATTGCACAAGAAGAGCCGCTGCCAACCATCCTTGTCTCCG
 ATTGCAAAATGACACCCAGTAATCTAGAACATTCTCAAGCCCCTTAACTCAGATGTCA
 AGCCACCGGGCAAACCCCGTCAATACCTCCCAAGGAATGAGATATGTGGACCTCACT
 GCTCCCCAACCCAGCGTCAGGCTGGGACACGCCAACGCTGTTCCGGGTTGGAACAGCAG
 AGGCTCAGAAACTGGCTCTGAAATAGGCAGACCTAGCAAGAGGAAGATACAGGATACGG
 GCGTTTGTGTTTTCAGAAGTATTTCGGGAAGATAAATCCAGTGCCTGGCCGACGCCAC
 CTGCATTCAAAGCTTGGACAGCGGTTCTTGTTCGGGAGGCAAAATTTCCCTAGGAAAAA
 GAAGACAGACTTTTCTAATGTGGTCCAAATGCGGATCACTGGTCAAGTGGACTCTAGAAG
 CACTGAGTCCCTGTCTGGAAGTATTAAGAAAAGGCTGGGCCAGGCACGATGGCTCA
 CGCCTGTAATCCAGACTTTGGGAGCCGAGGCAGGCGGATCACCTGAGGTGAGGAGTTT
 GAGAACAGCCTGGCCAACATGGTGAACCTCATCTCTACTAAAAATACAAAAATTAGCCA
 GGCGTGGTGGCAGGTGCCTGTAATCCCAGCTACTTGGGAGGCTGAGGCATGAGAATCACT
 TAAACCTGAGAGGAGAGGTTACAGTGAGCCAAGATCGTGCCACTGCATTCCAGCCTGGG
 CGACAGAGCAAGACTCTGTCTCAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN:	NM_033064
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_033064.3</u> , <u>NP_149053.1</u>
RefSeq Size:	5015 bp
RefSeq ORF:	1116 bp
Locus ID:	85300
UniProt ID:	<u>Q86WG3</u>
Cytogenetics:	19p13.3
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a neuron-restricted protein that contains a CRAL-TRIO motif common to proteins that bind small lipophilic molecules. Mutations in this gene are associated with cerebellar ataxia, Cayman type. [provided by RefSeq, Jul 2008]