

Product datasheet for **SC128177**

BIN1 (NM_139344) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BIN1 (NM_139344) Human Untagged Clone
Tag:	Tag Free
Symbol:	BIN1
Synonyms:	AMPH2; AMPHL; CNM2; SH3P9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_139344, the custom clone sequence may differ by one or more nucleotides

```

ATGGCAGAGATGGGCAGTAAAGGGGTGACGGCGGGAAAGATCGCCAGCAACGTGCAGAAGAAGCTCACCC
GCGCGCAGGAGAAGGTTCTCCAGAAGCTGGGAAGGCAGATGAGACCAAGGATGAGCAGTGTGAGCAGTG
CGTCCAGAATTTCAACAAGCAGCTGACGGAGGGCACCCGGCTGCAGAAGGATCTCCGGACCTACCTGGCC
TCCGTCAAAGCCATGCACGAGGCTTCCAAGAAGCTGAATGAGTGTCTGCAGGAGGTGATGAGCCGATT
GGCCCGCAGGGATGAGGCAAACAAGATCGCAGAGAACAACGACCTGCTGTGGATGGATTACCACCAGAA
GCTGGTGGACCAGGCGCTGCTGACCATGGACACGTACCTGGGCCAGTTCCCCGACATCAAGTCACGCATT
GCCAAGCGGGGGCGCAAGCTGGTGGACTACGACAGTGCAGGCGCACCCTACGAGTCCCTTCAAAGTCCCA
AAAAGAAGGATGAAGCCAAAATTGCCAAGCCTGTCTCGTGTGTTGAGAAAAGCCGCCCCCAGTGGTGCCA
AGGCAAAGTGCAGGCTCATCTCGTAGCTCAAATAACCTGCTCCGAAATCAGGCCGAGGAGGAGCTCATC
AAAGCCAGAAGGTGTTTGAGGAGATGAATGTGGATCTGCAGGAGGAGCTGCCGTCCCTGTGGAACAGCC
GGGTAGGTTTCTACGTCAACACGTTCCAGAGCATCGCGGGCCTGGAGGAAAATTCCACAAGGAGATGAG
CAAGCTCAACCAGAACCTCAATGATGTGCTGGTGGCCTGGAGAAGCAACACGGGAGCAACACCTTCACG
GTCAAGGCCCAGCCAGTGAACAACGCGCTGCAAAGGGAAACAAGAGCCCTTCGCCTCCAGATGGCTCCC
CTGCCGCCACCCCGAGATCAGAGTCAACCACGAGCCAGAGCCGGCCGGCGGGGCCACGCCCGGGGCCAC
CCTCCCAAGTCCCATCTCAGTTTGGAGCCCCGGGGCTTTCTCGGAGCAGGCCAGTCTGCTGGACCTG
GACTTTGACCCCTCCCGCCCTGACGAGCCCTGTGAAGGCACCCACGCCCTCTGGTCAGTCAATTCAT
GGGACCTCTGGGAGCCACAGAGAGTCCAGCCGGCAGCCTGCCTTCCGGGAGCCAGCGCTGCCGAGGG
CACCTTTGCTGTGCTCTGGCCAGCCAGACGGCCGAGCCGGGGCTGCCAACAGCAGAGGCTCGGAG
CTGGCGGGTGGGACCCAACTGCGGCTGGAGCCAGGAGCCAGGGGAGACGGCGGCAAGTGAAGCAGCCT
CCAGCTCTTCTGCTGTGCTGGTGGAGACTTCCAGCAACTGTGAATGGCACCGTGGAGGGCGGCAG
TGGGGCCGGCGCTTGGACCTGCCCCAGTTCATGTTCAAGGTACAGGCCAGCAGACTACACGGCC
ACTGACACAGACGAGCTGCAGCTCAAGGCTGGTGTGTTGCTGGTGTGCTGGTGTGCTGGTGTGCTGGT
AGCAGGATGAAGGCTGGCTCATGGCGTGAAGGAGAGCGACTGGAACCAGCACAAGGAGCTGGAGAAGTG
CCGTGGCGTCTCCCGGAGAACTTCACTGAGAGGGTCCCATGA
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_139344 unedited

```

NGAACTTTCGCTNCCANTAGGCTCCCCTGCCGCCACCCCGGATTCAANAATCAACCACGA
GCCAGAGCCGGCTGGCGGGGCCACGCCCGGGGCCACCCTCCCAAGTCCCATCTCAGTT
TGAGGCCCCGGGGCTTTCTCGGAGCAGGCCAGTCTGCTGGACCTGGACTTTGACCCCT
CCCGCCGTGACGAGCCCTGTGAAGGCACCCACGCCCTCTGGTCAGTCAATTCCTTGGGA
CCTCTGGGAGCCACAGAGAGTCCAGCCGGCAGCCTGCCTTCCGGGAGCCAGCGCTGC
CGAGGGCACCTTTGCTGTGCTCTGGCCAGCCAGCAGCCGAGCCGGGGCTGCCAACCC
AGCAGAGCCCTCGAGGTGGCGGGTGGACCCAACTGCGGCTGGAGCCAGGAGCCAGG
GGAGACGGCGGCAAGTGAAGCAGCTCCAGCTCTTCTGCTGTGCTGGTGGAGACCTT
CCCAGCAACTGTGAATGGCACCGTGGAGGGCGGCAGTGGGGCCGGGCGCTTGGACCTGCC
CCCAGGTTTCATGTTCAAGGTACAGGCCAGCAGACTACACGGCCACTGACACAGACGA
GCTGCAGCTCAAGGCTGGTGTGTTGCTGGTGTGCTGGTGTGCTGGTGTGCTGGTGTGCTGGT
NGATGAAGGCTGGGCTCATGGCGTGAAGGAGAGCGACTGGNACCAGCACAAGGAGCTGGA
GAAGTCCCGTGGCGTCTTCCCGGAGAACTCACTGAGAGGGTCCCATGACGGCNGGGGCC
AGCAGCCCTCCGGCGTGAAGAACACCTCCTCCGAAAAGTGGGGNTCTTTTTTTGG
TTTTGTTTTCGTTTTTCATCTTTGAAGAGCAAAGGGAATCAG
    
```

Restriction Sites:

Please inquire

ACCN:

NM_139344

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).
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_139344.1 , NP_647594.1
RefSeq Size:	2508 bp
RefSeq ORF:	1653 bp
Locus ID:	274
UniProt ID:	O00499
Cytogenetics:	2q14.3
Gene Summary:	<p>This gene encodes several isoforms of a nucleocytoplasmic adaptor protein, one of which was initially identified as a MYC-interacting protein with features of a tumor suppressor. Isoforms that are expressed in the central nervous system may be involved in synaptic vesicle endocytosis and may interact with dynamin, synaptojanin, endophilin, and clathrin. Isoforms that are expressed in muscle and ubiquitously expressed isoforms localize to the cytoplasm and nucleus and activate a caspase-independent apoptotic process. Studies in mouse suggest that this gene plays an important role in cardiac muscle development. Alternate splicing of the gene results in several transcript variants encoding different isoforms. Aberrant splice variants expressed in tumor cell lines have also been described. [provided by RefSeq, Mar 2016]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. Isoform 2, also called IId and S1/R3-6, is shorter than isoform 1 and binds dynamin, synaptojanin, and clathrin.</p>