

Product datasheet for **SC313543**

BIN1 (NM_004305) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BIN1 (NM_004305) Human Untagged Clone
Tag:	Tag Free
Symbol:	BIN1
Synonyms:	AMPH2; AMPHL; CNM2; SH3P9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_004305 edited
 CCGCGTGGAGCGGCAGCCGGTCTGGACGCGCGGCCGGGGCTGGGGCTGGGAGCGCGGCC
 CGCAAGATCTCCCCGCGGAGAGCGGCCCTGCCACGGGCGAGGCCCTGCGCCGCGATGG
 CAGAGATGGGCAGTAAAGGGGTGACGGCGGAAAGATCGCCAGCAACGTGCAGAAGAAGC
 TCACCCGCGCGCAGGAGAAGGTTCTCCAGAAGCTGGGAAGGCAGATGAGACCAAGGATG
 AGCAGTTTGAGCAGTGCCTCCAGAATTTCAACAAGCAGCTGACGGAGGGCACCCGGCTGC
 AGAAGGATCTCCGGACCTACCTGGCCTCCGTCAAAGCCATGCACGAGGCTTCCAAGAAGC
 TGAATGAGTGTCTGCAGGAGGTGTATGAGCCCGATTGGCCGCGCAGGGATGAGGCAAAACA
 AGATCGCAGAGAACAACGACCTGCTGTGGATGGATTACCACCAGAAGCTGGTGGACCAGG
 CGCTGCTGACCATGGACACGTACCTGGGCCAGTCCCCGACATCAAGTACGCATTGCCA
 AGCGGGGGCGCAAGCTGGTGGACTACGACAGTGCCCGGCACCACTACGAGTCCCTTCAA
 CCGCAAAAAGAAGGATGAAGCCAAAATTGCCAAGGCCGAGGAGGAGCTCATCAAAGCCC
 AGAAGGTGTTTGGAGAGATGAATGTGGATCTGCAGGAGGAGCTGCCGTCCTGTGAACA
 GCCGCGTAGGTTTCTACGTCAACACGTTCCAGAGCATCGCGGGCCTGGAGAAAACCTTCC
 ACAAGGAGATGAGCAAGCTCAACCAGAACCTCAATGATGTGCTGGTCCGCTGGAGAAGC
 AACACGGGAGCAACACCTTACCGTCAAGGCCAGCCAGAAAAGAAAAGTAAACTGTTTT
 CGCGGCTGCGCAGAAAGAAGAACAGTGACAACGCGCCTGCAAAAGGGAACAAGAGCCCTT
 CGCCTCCAGATGGCTCCCTGCCGCCACCCCGAGATCAGAGTCAACCACGAGCCAGAGC
 CGGCTGGCGGGGCCACGCCCGGGGCCACCTCCCCAAGTCCCCATCTCAGCCAGCAGAGG
 CCTCGGAGGTGGCGGGTGGGACCAACCTGCGGCTGGAGCCCAGGAGCCAGGGGAGACGG
 CGGCAAGTGAAGCAGCCTCCAGCTCTTCTCCTGCTGTCGTGGTGGAGACCTTCCAGCAA
 TGTGTAATGGCACCGTGGAGGGCGCAGTGGGGCCGGGCGCTTGGACCTGCCCCAGGTT
 TCATGTTCAAGGTACAGGCCAGCAGACTACACGGCCACTGACACAGACGAGCTGCAGC
 TCAAGGCTGGTGTGTGGTGTGCTGCTCCCTTCCAGAACCCTGAAGAGCAGGATGAAG
 GCTGGCTCATGGGCGTGAAGGAGAGCGACTGGAACCAGCACAAGGAGCTGGAGAAGTGCC
 GTGGCGTCTTCCCGAGAACTTCACTGAGAGGGTCCCATGACGGCGGGGCCAGGCGACCC
 TCCGGGCGTGTGAAGAACACCTCCTCCCGAAAAATGTGTGGTTCTTTTTTTTGTGTTTGT
 TTCGTTTTTTCATTTTTGAAGAGCAAAGGGAAATCAAGAGGAGACCCCCAGGCGAGGGG
 CGTTCTCCCAAAGATTAGGTCGTTTTTCAAAGAGCCGCGTCCCGCAAGTCCGGCGGAAT
 TCACCAGTGTTCCTGAAGCTGCTGTGCCTCTAGTTGAGTTTCTGGCGCCCTGCCTGTG
 CCCGATGTGTGCTGGCCGAGGGCGGGGCTGGGGGCTGCCAGCCACCATGCTTGCTT
 GAAGCTTCGGCCCGCCACCCGGCAAGGGTCTCTTTTCTGGCAGCTGCTGTGGGTGG
 GGCCAGACACCAGCCTAGCCTGGCTCTGCCCCGAGACGGTCTGTGTGCTGTTGAAAA
 TAAATCTTAGTGTTCAAAAACAAAATGAAACAAAAAATGATAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_004305

Insert Size: 2000 bp

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: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_004305.2.

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_004305.2](#), [NP_004296.1](#)

RefSeq Size: 2210 bp

RefSeq ORF: 1365 bp

Locus ID: 274

UniProt ID: [O00499](#)

Cytogenetics: 2q14.3

Gene Summary: 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]

Transcript Variant: This variant (8) lacks five in-frame exons and has an additional in-frame exon in the coding region, compared to variant 1. Isoform 8 is shorter than isoform 1. It is expressed in muscle and localizes to the nucleus.