

## Product datasheet for **RG202423**

### **BIN1 (NM\_139350) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BIN1 (NM_139350) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BIN1
Synonyms:	AMPH2; AMPHL; CNM2; SH3P9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202423 representing NM_139350 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGAGATGGGCAGTAAAGGGTGACGGCGGGAAAGATCGCCAGCAACGTGCAGAAGAAGCTCACCC  
GCGCGCAGGAGAAGGTTCTCCAGAAGCTGGGAAGGCAGATGAGACCAAGGATGAGCAGTTTGAGCAGTG  
CGTCCAGAATTTCAACAAGCAGCTGACGGAGGGCACCCGGCTGCAGAAGGATCTCCGGACCTACCTGGCC  
TCCGTCAAAGCCATGCACGAGGCTTCCAAGAAGCTGAATGAGTGTCTGCAGGAGGTGATGAGCCCGATT  
GGCCCGCAGGGATGAGGCAAACAAGATCGCAGAGAACAACGACCTGCTGTGGATGGATTACCACCAGAA  
GCTGTTGGACCAGGCGCTGCTGACCATGGACACGTACCTGGGCCAGTTCCCGGACATCAAGTCACGCATT  
GCCAAGCGGGGGCGCAAGCTGGTGGACTACGACAGTGCCCGGCACCACTACGAGTCCCTTCAAACGCCCA  
AAAAGAAGGATGAAGCCAAAATTGCCAAGGCCGAGGAGGAGCTCATCAAAGCCCAGAAGGTGTTTGAAGGA  
GATGAATGTGGATCTGCAGGAGGAGCTGCCGTCCCTGTGGAACAGCCGCTAGGTTTCTACGTCAACACG  
TTCCAGAGCATCGCGGCCTGGAGGAAAACCTCCACAAGGAGATGAGCAAGCTCAACCAGAACCTCAATG  
ATGTGCTGGTCCGCTGGAGAAGCAACCGGGAGCAACACCTTACGGTCAAGGCCAGCCAGTGCAGAA  
CGCGCTGCAAAAGGGAACAAGAGCCCTTCGCCTCCAGATGGCTCCCCTGCCGCCACCCCGAGATCAGA  
GTCAACCACGAGCCAGCCGGCTGGCGGGCCACGCCCGGGGCCACCCCTCCCAAGTCCCATCTCAGC  
CAGCAGAGGCCTCGAGGTGGCGGGTGGGACCCAACCTGCGGCTGGAGCCAGGAGCCAGGGGAGACGGC  
GGCAAGTGAAGCAGCCTCCAGCTCTCTTCTGCTGTCGTGGTGGAGACCTTCCCAGCAACTGTGAATGGC  
ACCGTGGAGGGCGCAGTGGGGCCGGCGCTTGGACCTGCCCCAGGTTTCATGTTCAAGGTACAGGCC  
AGCAGACTACACGGCCACTGACACAGACGAGCTGCAGCTCAGGGCTGGTGTGTTGGTGTGTTGATCCC  
CTTCCAGAACCCTGAAGAGCAGGATGAAGGCTGGCTCATGGCGTGAAGGAGAGCGACTGGAACCAGCAC  
AAGGAGCTGGAGAAGTCCGTGGCTCTCCCGAGAACTTCACTGAGAGGTCCCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA





**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\\_139350.1](#), [NP\\_647600.1](#)

**RefSeq Size:** 2165 bp

**RefSeq ORF:** 1320 bp

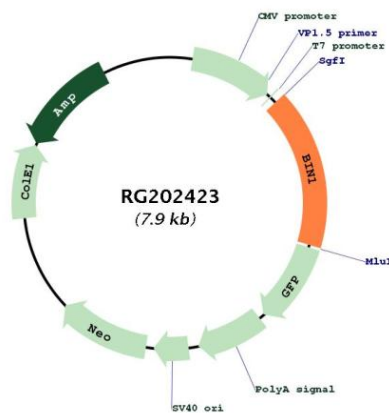
**Locus ID:** 274

**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]

## Product images:



Circular map for RG202423