

## Product datasheet for PH302423

### BIN1 (NM\_139350) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	BIN1 MS Standard C13 and N15-labeled recombinant protein (NP_647600)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202423
Predicted MW:	48.3 kDa
Protein Sequence:	>RC202423 protein sequence Red=Cloning site Green=Tags(s)
	<p>MAEMGSKGVTAGKIASNVQKKLTRAQEKVLQKLGKADETKDEQFEQCVQNFNKQLTEGTRLQKDLRTYLA SVKAMHEASKKLNELQEVYEPDWPGRDEANKIAENNDLLWMDYHQKLVQALLTMDTYLQGFDPDKSRI AKRGRKLVQYDSARHHYESLQTAKKKDEAKIAKAEELIKAQKVFEEEMNVDLQEELPSLWNSRVGFYVNT FQSIAGLEENFHKEMSKLNQNLNDVLVGLEKQHGNTFTVKAQPSDNAPAKGNKSPSPDGSPAATPEIR VNHEPEPAGGATPGATLPKSPSQPAEASEVAGGTQPAAGAQPGETAASEAASSSLPAVVVETFPATVNG TVEGGSGAGRLDLPFGFMFKVQAQHDYTATDDELQLRAGDVVLVIPFQNPPEEQDEGWLGMVKESDWNQH KELEKCRGVFPENFTEVP</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_647600</u>
RefSeq Size:	2224
RefSeq ORF:	1317
Synonyms:	AMPH2; AMPHL; CNM2; SH3P9



[View online »](#)

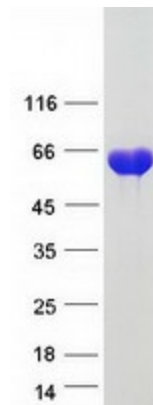
Locus ID: 274

UniProt ID: [O00499](#), [A0A024RAG8](#), [Q9BTH3](#)

Cytogenetics: 2q14.3

**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:



Coomassie blue staining of purified BIN1 protein (Cat# [TP302423]). The protein was produced from HEK293T cells transfected with BIN1 cDNA clone (Cat# [RC202423]) using MegaTran 2.0 (Cat# [TT210002]).