OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH320616

BIN1 (NM_004305) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BIN1 MS Standard C13 and N15-labeled recombinant protein (NP_004296)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220616
Predicted MW:	50 kDa
Protein Sequence:	>RC220616 representing NM_004305 Red=Cloning site Green=Tags(s) MAEMGSKGVTAGKIASNVQKKLTRAQEKVLQKLGKADETKDEQFEQCVQNFNKQLTEGTRLQKDLRTYLA SVKAMHEASKKLNECLQEVYEPDWPGRDEANKIAENNDLLWMDYHQKLVDQALLTMDTYLGQFPDIKSRI AKRGRKLVDYDSARHHYESLQTAKKKDEAKIAKAEEELIKAQKVFEEMNVDLQEELPSLWNSRVGFYVNT FQSIAGLEENFHKEMSKLNQNLNDVLVGLEKQHGSNTFTVKAQPRKKSKLFSRLRRKKNSDNAPAKGNKS PSPPDGSPAATPEIRVNHEPEPAGGATPGATLPKSPSQPAEASEVAGGTQPAAGAQEPGETAASEAASSS LPAVVVETFPATVNGTVEGGSGAGRLDLPPGFMFKVQAQHDYTATDTDELQLKAGDVVLVIPFQNPEEQD EGWLMGVKESDWNQHKELEKCRGVFPENFTERVP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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:	NP_004296
RefSeq Size:	2210
RefSeq ORF:	1362
Synonyms:	AMPH2; AMPHL; CNM2; SH3P9

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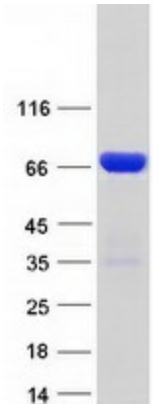
Locus ID: 274

UniProt ID: O00499, A0A024RAE9

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# [TP320616]). The protein was produced from HEK293T cells transfected with BIN1 cDNA clone (Cat# [RC220616]) using MegaTran 2.0 (Cat# [TT210002]).

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