

Product datasheet for PH320585

BIN1 (NM_139344) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BIN1 MS Standard C13 and N15-labeled recombinant protein (NP_647594)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220585
Predicted MW:	59.8 kDa
Protein Sequence:	>RC220585 representing NM_139344 Red=Cloning site Green=Tags(s)

MAEMGSKGVTAGKIASNVQKKLTRAQEKVLQKLGKADETKDEQFEQCQVQNFNKQLTEGTRLQKDLRTYLA
SVKAMHEASKKLNELQEVYEPDWPGRDEANKIAENNDLLWMDYHQKLVQDQALLTMDTYLGQFPDIKSRI
AKRGRKLVYDYSARHHYESLQTAKKKDEAKIAKPVSLLEKAAPQWCQGKLQAHLVAQTNLLRNQAEELI
KAQKVFEEMNVDLQEELPSLWNSRVGFYVNTFQSIAGLEENFHKEMSKLNQNLNDVLVGLQKQHGNTFT
VKAQPSDNAPAKGNKSPSPDGSPAATPEIRVNHPEPAGGATPGATLPKSPSQFEAPGPFSEQASLLDL
DFDPLPPVTSVPKAPTPSGQSIIPWDLWEPTESPAGSLPSGEPSSAAEGTFVSWPSQTAEPGPAQPAEASE
VAGGTQPAAGAQPGETAASEAASSLPAVVVETFPATVNGTVEGGSGAGRLDLPPGFMFKVQAQHDYTA
TDTDELQKAGDVVVLVIPPQNPEEQDEGWLMGVKESDWNQHKLEKCRGVFPENF TERVP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_647594
RefSeq Size:	2508
RefSeq ORF:	1650



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Synonyms: AMPH2; AMPHL; CNM2; SH3P9

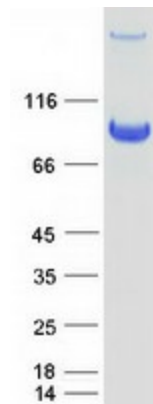
Locus ID: 274

UniProt ID: [O00499](#), [A0A024RAF6](#)

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# [TP320585]). The protein was produced from HEK293T cells transfected with BIN1 cDNA clone (Cat# [RC220585]) using MegaTran 2.0 (Cat# [TT210002]).