



Recombinant Human Myc box-dependent-interacting protein 1 (BIN1)

Product Code	CSB-EP002700HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O00499
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AEMGSKGVT AGKIASNVQK KLTRAQEKVL QKLGKADETK DEQFEQCVQN FNKQLTEGTR LQKDLRTYLA SVKAMHEASK KLNECLQEVY EPDWPGRDEA NKIAENNDLL WMDYHQKLVD QALLTMDTYL GQFPDIKSRI AKRGRKLVYD DSARHHYESL QTAKKKDEAK IAKPVSLLLEK AAPQWCQGKL QAHLVAQTNL LRNQAEEELI KAQKVFEEMN VDLQEELPSL WNSRVGFYVN TFQSIAGLEE NFHKEMSKLN QNLNDVVLVGL EKQHGSNTFT VKAQPSDNAP AKGNKSPSPP DGSPAATPEI RVNHEPEPAG GATPGATLPK SPSQLRKGPP VPPPPKHTPS KEVKQEQILS LFEDTFVPEI SVTTPSQFEA PGPFSEQASL LDLDFDPLPP VTSPVKAPTP SGQSIPWDLW EPTESPAGSL PSGEPSAAEG TFAVSWPSQT AEPGPAQPAE ASEVAGGTQP AAGAQPGET AASEAASSSL PAVVVETFPA TVNGTVEGGS GAGRLDLPPG FMFKVQAQHD YTATDTDELQ LKAGDVVLLVI PFQNPEEQDE GWLMGVKESD WNQHKELEKC RGVFPENFTE RVP
Source	E.coli
Target Names	BIN1
Protein Names	Recommended name: Myc box-dependent-interacting protein 1 Alternative name(s): Amphiphysin II Amphiphysin-like protein Box-dependent myc-interacting protein 1 Bridging integrator 1
Expression Region	2-593
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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 ten transcript variants encoding different isoforms.



Aberrant splice variants expressed in tumor cell lines have also been described.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.