



Recombinant Rat Myc box-dependent-interacting protein 1 (Bin1)

Product Code	CSB-EP002700RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O08839
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	AEMGSKGVT AGKIASNVQK KLTRAQEKVL QKLGKADETK DEQFEQCVQN FNKQLTEGTR LQKDLRTYLA SVKAMHEASK KLSECLQEVY EPEWPGRDEA NKAENNDLL WMDYHQKLVD QALLTMDTYL GQFPDIKSRI AKRGRKLVYD DSARHHYESL QTAKKKDEAK IAKPVSLLLEK AAPQWCQGKL QAHLVAQTNL LRNQAEEELI KAQKVFEEMN VDLQEELPSL WNSRVGFYVN TFQSIAGLEE NFHKEMSKLN QNLNDVLVSL EKQHGSNTFT VKAQPSDSAP EKGNKSPSPP PDGSPAATPE IRVNHEPEPA SGASPGATIP KSPSQRKGP PVPPPKHTP SKEMKQEIL SLFDDAFVPE ISVTTPSQFE APGPFSEQAS LLDLDFEPLP PVASPVKAPT PSGQSIPWDL WEPTESQAGV LPSGEPSSAE GSFVAWPSQ TAEPGPAQPA EASEVGGTQ EPGETAASEA TSSSLPAVVV ETFSATVNGA VEGSTTTGRL DLPPGFMFKV QAQHDYTATD TDELQLKAGD VVLVIPFQNP EEQDEGWLMG VKESDWNQHK ELEKCRGVFP ENFTEVQ
Source	E.coli
Target Names	Bin1
Protein Names	Recommended name: Myc box-dependent-interacting protein 1 Alternative name(s): Amphiphysin II Amphiphysin-like protein Bridging integrator 1
Expression Region	2-588
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.