

Recombinant Full Length Human BIN1 Protein, GST-tagged

Cat. No. BIN1-1627HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BIN1 full-length ORF (AAH04101, 1 a.a. - 439 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	439 amino acids
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	74.03 kDa
AA Sequence	MAEMGSKGVT AGKIASNVQK KLTRAQEKVL QKLGKADETK DEQFEQCVQN

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FNKQLTEGTR LQKDLRTYLA SVKAMHEASK KLNECLQEVY EPDWPGRDEA
 NKIAENNDLL WMDYHQKLVD QALLTMDTYL GQFPDIKSRI AKRGRKLVDY
 DSARHHYESL QTAKKKDEAK IAKAEELIK AQKVFEEMNV DLQEELPSLW
 NSRVGFYVNT FQSIAGLEEN FHKEMSKLNQ NLNDVLVGLK KQHGSNTFTV
 KAQPSDNAPA KGNKSPSPPD GSPAATPEIR VNHEPEPAGG ATPGATLPKS
 PSQPAEASEV AGGTQPAAGA QEPGETAASE AASSSLPAVV VETFPATVNG
 TVEGGSGAGR LDLPPGFMFK VQAQHDYTAT DTDELQLRAG DVVLVIPFQN
 PEEQDEGWLM GVKESDWNQH KELEKCRGVF PENFTERVP

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name BIN1 bridging integrator 1 [Homo sapiens]

Official Symbol BIN1

Synonyms BIN1; bridging integrator 1; AMPHL; myc box-dependent-interacting protein 1; AMPH2; amphiphysin II; SH3P9; amphiphysin-like protein; box dependant MYC interacting protein 1; box-dependent myc-interacting protein 1; MGC10367; DKFZp547F068

Gene ID 274

mRNA Refseq NM_004305

Protein Refseq NP_004296

MIM 601248

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UniProt ID

O00499

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