

# Recombinant Full Length Human BIN1 Protein, GST-tagged

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

## SPECIFICATION

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

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