

## Recombinant Human BIN1 Protein, GST-tagged

BIN1-222H Human

Lot. No. (See product label)

### Specification

#### Product Overview

Human BIN1 partial ORF ( NP\_004296, 355 a.a. - 454 a.a.) recombinant protein with GST-tag at N-terminal.

#### 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.

#### Source

Wheat Germ

#### Species

Human

#### Tag

GST

#### Form

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

#### Molecular Mass

36.74 kDa

#### AA Sequence

VVETFPATVNGTVEGGSGAGRLDLPFGFMFKVQAQHDYTATDTDELQLKAGDVVLVIPFQNPEEQDEGWLMGVKESDWNQHKLEKCRGVFPENFTEVP

#### Notes

Best use within three months from the date of receipt of this protein.

#### 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](#)

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**Protein Refseq** [NP\\_004296](#)

**MIM** [601248](#)

**UniProt ID** [O00499](#)

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