

# Recombinant Human Bridging Integrator 1, His-tagged

**Cat. No.** BIN1-2754H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human BIN1 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques.                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | <i>E.coli</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | BIN1, also known as SH3P9, is a nucleocytoplasmic adaptor protein, one of which was initially identified as MYC-interacting protein with features of a tumor suppressor. This protein interacts with and inhibits the oncogenic activity of the myc oncoprotein that has a major role in many human cancers. The loss of Bin1 may contribute to growth deregulation in cancer cells in carcinoma of the breast, colon, lung, cervix, prostate and liver.                                                       |
| <b>Purity</b>           | > 90% by SDS – PAGEI.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Sequences</b>        | <p>MGSSHHHHHH SSGLVPRGSH MAEMGSKGVT AGKIASNVQK KLTRAQEKVL</p> <p>QKLGKADETK DEQFEQCVQN FNKQLTEGTR LQKDLRTYLA SVKAMHEASK</p> <p>KLNECLQEVY EPDWPGRDEA NKIAENNDLL WMDYHQLVD QALLTMDTYL</p> <p>GQFPDIKSRI AKRGRKLVDY DSARHHYESL QTAKKKDEAK IAKAEEELIK</p> <p>AQKVFEEMNV DLQEELPSLW NSRVGFYVNT FQSIAGLEEN FHKEMSKLNQ</p> <p>NLNDVLVGLK KQHGSNTFTV KAQPSDNAPA KGNKSPSPPD GSPAATPEIR</p> <p>VNHEPEPAGG ATPGATLPKS PSQPAEASEV AGGTQPAAGA QEPGETAASE</p> <p>AASSSLPAVV VETFPATVNG TVEGGSGAGR LDLPPGFMFK VQAQHDYTAT</p> |

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DTDELQLRAG DVVLVIPFQN PEEQDEGWLM GVKESDWNQH KELEKCRGVF  
PENFTERVP.

**Molecular Weight** 50.4 kDa (459aa) confirmed by MALDI-TOF.

**Form** Liquid. In 20mM Tris buffer(pH 8.0) containing 10% glycerol, 1mM DTT.

**Concentration** 1 mg/ml (determined by Bradford assay).

**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** [BIN1 bridging integrator 1 \[ Homo sapiens \]](#)

**Synonyms** BIN1; bridging integrator 1; OTTHUMP00000203785; amphiphysin II; amphiphysin-like protein; box dependant MYC interacting protein 1; box-dependent myc-interacting protein 1; myc box-dependent-interacting protein 1; AMPH2; AMPHL; SH3P9; MGC10367; DKFZp547F068

**Gene ID** [274](#)

**mRNA Refseq** [NM\\_004305](#)

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

**MIM** [601248](#)

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

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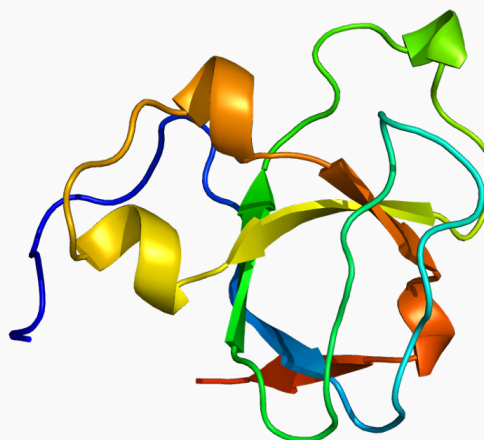
**Chromosome  
Location**

2q14

**Function**

GTPase binding; protein C-terminus binding; protein binding; protein heterodimerization activity

**PDB rendering based  
on 1bb9.**



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