

Recombinant Human Bridging Integrator 1, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	<i>E.coli</i>
Description	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.
Purity	> 90% by SDS – PAGEI.
Sequences	MGSSHHHHHH SSGLVPRGSH MAEMGSKGVT AGKIASNVQK KLTRAQEKVL QKLGKADETK DEQFEQCVQN FNKQLTEGTR LQKDLRTYLA SVKAMHEASK KLNECLQEVY EPDWPGRDEA NKIAENNDLL WMDYHQLVD QALLTMDTYL GQFPDIKSRI AKRGRKLVYD DSARHHYESL QTAKKKDEAK IAKAEEELIK AQKVFEEMNV DLQEELPSLW NSRVGFYVNT FQSIAGLEEN FHKEMSKLNQ NLNDVLVGLK KQHGSNTFTV KAQPSDNAPA KGNKSPSPPD GSPAATPEIR VNHEPEPAGG ATPGATLPKS PSQPAEASEV AGGTQPAAGA QEPGETAASE AASSSLPAVV VETFPATVNG TVEGGSGAGR LDLPPGFMFK VQAQHDYTAT

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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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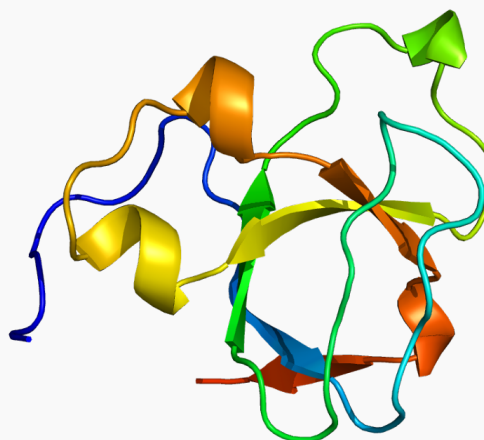
**Chromosome
Location**

2q14

Function

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

**PDB rendering based
on 1bb9.**



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