

## Recombinant Human BIN1 protein, His-tagged

**Cat. No.** BIN1-7855H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human BIN1 protein(1-439 aa), fused with N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E. coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 1-439 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.                                                                                                    |
| <b>AASequence</b>       | MAEMGSKGVTAGKIASNVQKKLTRAQEKVLQKLGKADETKDEQFEQCVQNFNKQL<br>TEGTRLQKDLRTYLASVKAMHEASKKLNELQEVYEPDWPGRDEANKIAENNDLLW<br>MDYHQKLVDQALLTMDTYLGQFPDIKSRIAKRGRKLVYDYSARHHYESLQTAKKGD<br>EAKIAKAEELIKAQKVFEEMNVDLQEELPSLWNSRVGFYVNTFQSIAGLEENFHKE<br>MSKLNQNLNDVLVGLEKQHGSNTFTVKAQPSDNAPAKGNKSPSPPDGSPAATPEIR<br>VNHEPEPAGGATPGATLPKSPSQPAEASEVAGGTQPAAGAQPGETAASEAASSS<br>LPAVVVETFPATVNGTVEGGSGAGRLDPPGFMFKVQAQHDYTATDTDELQLRAG<br>DVVLVIPFQNPQEEQDEGWLMGVKESDWNQHKLEKCRGVFPENFTERVP |
| <b>Purity</b>           | 85%, by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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**Storage** Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## 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;

**mRNA Refseq** NM\_004305

**Protein Refseq** NP\_004296

**MIM** 601248

**UniProt ID** O00499

**Gene ID** 274

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**SDS-PAGE**

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