

# Recombinant Human BIN1 protein, GST-tagged

**Cat. No.** BIN1-10230H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | Recombinant Human BIN1 protein(1-439 aa), fused with N-terminal GST 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 8.0). 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 100 mM reduced glutathione (GSH).                                                                                   |
| <b>AASequence</b>       | MAEMGSKGVTAGKIASNVQKKLTRAQEKVLQKLGADETKDEQFEQCVQNFNKQL<br>TEGTRLQKDLRTYLASVKAMHEASKKLNELQEVYEPDWPGRDEANKIAENNDLLW<br>MDYHQKLVDQALLTMDTYLGQFPDIKSRIAKRGRKLVDYDSARHHYESLQTAKKGD<br>EAKIAKAEELIKAQKVFEEMNVDLQEELPSLWNSRVGFYVNTFQSIAGLEENFHKE<br>MSKLNQNLNDVLVGLEKQHGSNTFTVKAQPSDNAPAKGNKSPSPPDGSPAATPEIR<br>VNHEPEPAGGATPGATLPKSPSQPAEASEVAGGTQPAAGAQPGETAASEAASSS<br>LPAVVVETFPATVNGTVEGGSGAGRLDLPFGFMFKVQAQHDYTATDDELQLRAG<br>DVVLVIPFQNPPEEQDEGWLMGVKESDWNQHKLEKCRGVFPENFTERVP |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | 65%, by SDS-PAGE.                                                                                                                                                                                     |
| <b>Storage</b>        | 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. |
| <b>Reconstitution</b> | 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

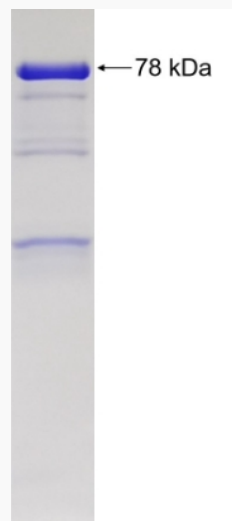
|                        |                                                                                                                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">BIN1 bridging integrator 1 [ Homo sapiens ]</a>                                                                                                                                                                                    |
| <b>Official Symbol</b> | <a href="#">BIN1</a>                                                                                                                                                                                                                           |
| <b>Synonyms</b>        | 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; |
| <b>mRNA Refseq</b>     | <a href="#">NM_004305</a>                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>  | <a href="#">NP_004296</a>                                                                                                                                                                                                                      |
| <b>MIM</b>             | <a href="#">601248</a>                                                                                                                                                                                                                         |
| <b>UniProt ID</b>      | <a href="#">O00499</a>                                                                                                                                                                                                                         |
| <b>Gene ID</b>         | <a href="#">274</a>                                                                                                                                                                                                                            |

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SDS-PAGE



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