

Product datasheet for **TP302423**

BIN1 (NM_139350) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human bridging integrator 1 (BIN1), transcript variant 9, 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC202423 protein sequence Red =Cloning site Green =Tags(s) MAEMGSKGVTAGKIASNVQKKLTRAQEKVLQKLGKADETKDEQFEQCVQNFNKQLTEGTRLQKDLRTYLA SVKAMHEASKKLNELQEVYEPDWPGRDEANKIAENNDLLWMDYHQKLVLDQALLTMDTYLGQFPDIKSRI AKRGRKLVYDSARHHYESLQTAKKKDEAKIAKAEELIKAQKVFEEMNVDLQEELPSLWNSRVGFYVNT FQSIAGLEENFHKEMSKLNQNLNDVVLVGLEKQHGSNTFTVKAQPSDNAPAKGNKSPSPDGSPAATPEIR VNHEPEPAGGATPGATLPKSPSQPAEASEVAGGTQPAAGAQPGETAASEAASSSLPAVVVETFPATVNG TVEGGSGAGRLDLPFGFMFKVQAQHDYTATDDELQLRAGDVVLVIPFQNPPEEQDEGWLMGVKESDWNQH KELEKCRGVFPENFTERVP TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 48.1 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP_647600</u> |

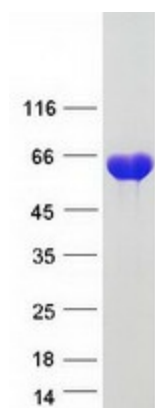


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| Locus ID: | 274 |
| UniProt ID: | O00499 , A0A024RAG8 , Q9BTH3 |
| RefSeq Size: | 2224 |
| Cytogenetics: | 2q14.3 |
| RefSeq ORF: | 1317 |
| Synonyms: | AMPH2; AMPHL; CNM2; SH3P9 |

Summary: 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 several transcript variants encoding different isoforms. Aberrant splice variants expressed in tumor cell lines have also been described. [provided by RefSeq, Mar 2016]

Product images:



Coomassie blue staining of purified BIN1 protein (Cat# TP302423). The protein was produced from HEK293T cells transfected with BIN1 cDNA clone (Cat# [RC202423]) using MegaTran 2.0 (Cat# [TT210002]).