

## Product datasheet for **TP507643**

### Bin1 (NM\_001083334) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse bridging integrator 1 (Bin1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207643 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAEMGSKGVTAGKIASNVQKKLTRAQEKVLQKLGKADETKDEQFEQCVQNFNKQLTEGTRLQKDLRITYLA  
SVKAMHEASKKLSECLQEVYEPWPGRDEANKIAENNDLLWMDYHQKLVQDALLTMDTYLGQFPDIKSRI  
AKRGRKLVYDSARHHYESLQTAKKKDEAKIAKAEELIKAQKVFEEMNVDLQEELPSLWNSRVGFYVNT  
FQSIAGLEENFHKEMSKLNQNLNDVLSLEKQHGSNTFTVKAQPSDNAPEKGNKSPSPDPGSPAATPEI  
RVNHEPEPASPATIPKSPSQLRKGPVPPPKHTPSKEMKQEQILSLFDDAFVPEISVTTPSQPAE  
ASEVGGGAQEPGETAASEATSSSLPAVVVETFSATVNGAVEGSAGTGRDLPPGFMFVKVQAQHDYTATDT  
DELQLKAGDVVLVIFQNPPEEQDEGWLMGVKESDWNQHKLEKCRGVFPENFTERVQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	52.8 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
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 after receiving vials.
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:	<a href="#">NP_001076803</a>
Locus ID:	30948



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UniProt ID: [Q6P1B9](#)

RefSeq Size: 2135

Cytogenetics: 18 18.01 cM

RefSeq ORF: 1434

Synonyms: ALP-1; AmphI; BRAMP-2; SH3P9

**Summary:** Is a key player in the control of plasma membrane curvature, and membrane shaping and remodeling. Required in muscle cells for the formation of T-tubules, tubular invaginations of the plasma membrane that function in depolarization-contraction coupling. Required in muscle cells for the formation of T-tubules, tubular invaginations of the plasma membrane that function in depolarization-contraction coupling (PubMed:12183633). Is a negative regulator of endocytosis (By similarity). Is also involved in the regulation of intracellular vesicles sorting, modulation of BACE1 trafficking and the control of amyloid-beta production (PubMed:12668730, PubMed:27179792). In neuronal circuits, endocytosis regulation may influence the internalization of PHF-tau aggregates (By similarity). May be involved in the regulation of MYC activity and the control cell proliferation (By similarity).[UniProtKB/Swiss-Prot Function]