

## Product datasheet for **TP505615**

### Sh3glb1 (NM\_019464) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse SH3-domain GRB2-like B1 (endophilin) (Sh3glb1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205615 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MNIMDFNVKKLAADAGTFLSRAVQFTEEKLGQAEKTELDAHLENLLSKAECTKIWTEKIMKQTEVLLQPN PNARIEEFVYEKLDKAPSRINNPPELLGQYMIDAGTEFGPGTAYGNALIKCGETQKRIGTADRELIQTS LNFLTPLRNFIGDYKTIKERKLLQNKRLDLDAAKTRLKKAKAAETKSSSEQELRITQSEFDRQAEITR LLEGISSTHAHHLRCLNDFVEAQMTYYAQCYQYMLDLQKQLGSFSPSNYLSNNNQTSGTPVPYALSNAIG PSAQASTGSLVITCPSNLNLDLKESSNNRKRVLVYDYDAANSTELSLLADEVITVFSVVGMDSDWLMGERG NQKGVKVPITYLELLN</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK
Predicted MW:	40.9 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_062337</a>
Locus ID:	54673
UniProt ID:	<a href="#">Q9JK48</a>



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RefSeq Size:	5903
Cytogenetics:	3 H2
RefSeq ORF:	1098
Synonyms:	AA409932; AI314629; AU015566; Bif-1; mKIAA0491
Summary:	<p>May be required for normal outer mitochondrial membrane dynamics. Required for coatamer-mediated retrograde transport in certain cells (PubMed:17086176). May recruit other proteins to membranes with high curvature. May promote membrane fusion (By similarity). Involved in activation of caspase-dependent apoptosis by promoting BAX/BAK1 activation (PubMed:16227588). Isoform 1 acts proapoptotic in fibroblasts (PubMed:24523556). Involved in caspase-independent apoptosis during nutrition starvation and involved in the regulation of autophagy. Activates lipid kinase activity of PIK3C3 during autophagy probably by associating with the PI3K complex II (PI3KC3-C2). Associated with PI3KC3-C2 during autophagy may regulate the trafficking of ATG9A from the Golgi complex to the peripheral cytoplasm for the formation of autophagosomes by inducing Golgi membrane tubulation and fragmentation. Involved in regulation of degradative endocytic trafficking and cytokinesis, probably in the context of PI3KC3-C2 (By similarity). Isoform 2 acts antiapoptotic in neuronal cells; involved in maintenance of mitochondrial morphology and promotes neuronal viability (PubMed:24523556).[UniProtKB/Swiss-Prot Function]</p>