

Datasheet for ABIN7565110

## SH3GLB1 Protein (AA 1-365) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	SH3GLB1
Protein Characteristics:	AA 1-365
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SH3GLB1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Sh3glb1 Protein expressed in mammalian cells.
Sequence:	<p>MNIMDFNVKK LAADAGTFLS RAVQFTEELK GQAEKTELD A HLENLLSKAE CTKIWTEKIM</p> <p>KQTEVLLQPN PNARIEEFVY EKLDKAPSR INNPELLGQY MIDAGTEFGP GTAYGNALIK</p> <p>CGETQKRIGT ADRELIQTSA LNFLTPLRNF IEGDYKTIK ERKLLQNKRL DLDAKTRLK</p> <p>KAKAAETKSS SEQLRITQS EFDRQAEITR LLLEGISSTH AHHLRCLNDF VEAQMITYYAAQ</p> <p>CYQYMLDLQK QLGSFPSNYL SNNNQTSFTP VPYALSNAIG PSAQASTGSL VITCPSNLND</p> <p>LKESSNNRKA RVLVDYDAAN STELSLLADE VITVFSVVG M DSDWLMGERG NQKGKVPITY LELLN</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	SH3GLB1
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Alternative Name:	Sh3glb1 ( <a href="#">SH3GLB1 Products</a> )
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Background:	<p>Endophilin-B1 (SH3 domain-containing GRB2-like protein B1),FUNCTION: 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 PI3K3C3 during autophagy probably by associating with the PI3K complex II (PI3K3C3-C2). Associated with PI3K3C3-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 PI3K3C3-C2 (By similarity). Isoform 2 acts antiapoptotic in neuronal cells, involved in maintenance of mitochondrial morphology and promotes neuronal viability</p>
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## Target Details

(PubMed:24523556). {ECO:0000250|UniProtKB:Q9Y371, ECO:0000269|PubMed:17086176, ECO:0000269|PubMed:24523556}.

Molecular Weight: 40.9 kDa

UniProt: [Q9JK48](#)

Pathways: [Autophagy](#)

## Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months