

Datasheet for ABIN7557789
SH3G2 Protein (AA 1-352) (His tag)



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Overview

Quantity:	1 mg
Target:	SH3G2
Protein Characteristics:	AA 1-352
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SH3G2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Sh3gl2 Protein expressed in mammalian cells.
Sequence:	MSVAGLKKQF HKATQKVSEK VGGAEGTKLD DDFKEMERKV DVTSRAVMEI MTKTIEYLQP NPASRAKLSM INTMSKIRGQ EKGPGYPQAE ALLAEAMLKF GRELGDDCNF GPALGEVGEA MRELSEVKDS LDMEVKQNF I DPLQNLHDKD LREIQHHLKK LEGRRLDFDY KKKRQGGKIPD EELRQALEKF DESKEIAESS MFNLLEMDIE QVSQLSALVQ AQLEYHKQAV QILQQVTVRL EERIRQASSQ PRREYQPKPR MSLEFATGDS TQPNGGLSHT GTPKPPGVQM DQPCCRALYD FEPENEGELG FKEGDIITLT NQIDENWYEG MLHGQSGFFP INYVEILVAL PH 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.
Characteristics:	Key Benefits:

Product Details

- 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.

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

Target:	SH3G2
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Alternative Name:	Sh3gl2 (SH3G2 Products)
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Background:	Endophilin-A1 (Endophilin-1) (SH3 domain protein 2A) (SH3 domain-containing GRB2-like protein 2) (SH3p4),FUNCTION: Implicated in synaptic vesicle endocytosis. May recruit other proteins to membranes with high curvature. Required for BDNF-dependent dendrite outgrowth (PubMed:21849472). Cooperates with SH3GL2 to mediate BDNF-NTRK2 early endocytic trafficking and signaling from early endosomes (PubMed:21849472). {ECO:0000269 PubMed:10490020, ECO:0000269 PubMed:21849472}.
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Molecular Weight:	40.0 kDa
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UniProt:	Q62420
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Pathways:	Neurotrophin Signaling Pathway , EGFR Downregulation
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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
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Application Details

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