

Datasheet for ABIN7555441  
**SHB Protein (AA 1-509) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	SHB
Protein Characteristics:	AA 1-509
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SHB protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SHB Protein expressed in mammalian cells.
Sequence:	MAKWLNKYFS LGNSKTKSPP QPPRPDYREQ RRRGERPSQP PQAVPQASSA ASASCGPATA SCFSASSGSL PDDSGSTSDL IRAYRAQKER DFEDPYNGPG SSLRKLAMC RLDYCGGSGE PGGVQRAFSA SSASGAAGCC CASSGAGAAA SSSSSSGSPH LYRSSERRP ATPAEVRYIS PKHRLIKVES AAGGGAGDPL GGACAGGRTW SPTACGGKKL LNKCAASAAE ESGAGKKDKV TIADDYDPF DAKNDLKSKA GKGESAGYME PYEAQRIMTE FQRQESVRSQ HKGIQLYDTP YEPEGQSVDS DSESTVSPRL RESKLPQDDD RPADEYDQPW EWNRVTPAL AAQFNGNEKR QSSPSPSRDR RRQLRAPGGG FKPIKHGSPE FCGILGERVD PAVPLEKQIW YHGAISRGDA ENLLRLCKEC SYLVRNSQTS KHDYSLSLRS NQGFMHMKLA KTKEKYVLGQ NSPPFDSVPE VIHYTTTRKL PIKGAEHL LYPVAVRTL <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>

## Product Details

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**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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**Characteristics:** **Key Benefits:**

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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**Grade:** custom-made

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## Target Details

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**Target:** SHB

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**Alternative Name:** SHB ([SHB Products](#))

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**Background:** SH2 domain-containing adapter protein B,FUNCTION: Adapter protein which regulates several signal transduction cascades by linking activated receptors to downstream signaling components. May play a role in angiogenesis by regulating FGFR1, VEGFR2 and PDGFR signaling. May also play a role in T-cell antigen receptor/TCR signaling, interleukin-2 signaling, apoptosis and neuronal cells differentiation by mediating basic-FGF and NGF-induced signaling cascades. May also regulate IRS1 and IRS2 signaling in insulin-producing cells.

{ECO:0000269|PubMed:10828022, ECO:0000269|PubMed:10837138, ECO:0000269|PubMed:12084069, ECO:0000269|PubMed:12464388, ECO:0000269|PubMed:12520086, ECO:0000269|PubMed:15026417, ECO:0000269|PubMed:15919073, ECO:0000269|PubMed:8806685, ECO:0000269|PubMed:9484780, ECO:0000269|PubMed:9751119}.

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## Target Details

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Molecular Weight: 55.0 kDa

UniProt: [Q15464](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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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