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Datasheet for ABIN7564716

**SH3KBP1 Protein (AA 1-709) (His tag)**

## Overview

Quantity:	1 mg
Target:	SH3KBP1
Protein Characteristics:	AA 1-709
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SH3KBP1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Sh3kbp1 Protein expressed in mammalien cells.
Sequence:	MVEAIVEFDY QAQHDELTI SVGEVITNIR KEDGGWWEQ INGRRGLFPD NfVREIKKDM KKDLLSNKAP EKPMHDVSSG NALLSSETIL RTNKRGERRR RRCQVAFSYL PQNDDELELK VGDIIIEVGE VEEGWWEGLV NGKTGMFPSN FIKELSGESD ELGISQDEQL SKSRPEGFLP ASLLPPAHG AKGKTTFFEGT ILYRAAPGKT EGHRRYSLR ETTGSESDGG DSSSTKSEGA NGTMATAAIQ PKKVKGVGFG DIFKDKPIKL RPRSIEVEND FLPVEKTIGK KLPPATSTPD PSKTEMDSRT KTKDYCKVIF PYEAQNDEL TIKEGDIVTL INKDCIDVGW WEGELNGRRG VFPDNFVKLL PSDFKEGFR PKKPPPSAP VVKQGAGTTE RKHEIKKIPP ERPETLPNRT EAKERPEREP KLDLQKPSVP AIPPKKPRPP KTNSLNTPGA LPPRRPERPV GPLTHTRGDS PKIDLASGAL SGILDKDLSR RNSDIDLEGF DSVISSTEKL SHPTTSRPA TGRPPSQSL TSSSLSPDI FDSPPSPEEDK EEHISLAHRG IDVSKKTSKT VTISQVSDNK TSLPPKPGTM AAASSGPASL SSVASSPMSS SLGTAGQRAS SPSLFSTEGK PKMEPAVSSQ AAIEELKMQV

## Product Details

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RELRTIIETM KDQQKREIKQ LSELDEEEK IRLRLQMEVN DIKKALQSK **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.**

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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, Western Blot

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Grade: custom-made

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## Target Details

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Target: SH3KBP1

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Alternative Name: Sh3kbp1 ([SH3KBP1 Products](#))

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Background: SH3 domain-containing kinase-binding protein 1 (Regulator of ubiquitous kinase) (Ruk) (SH3-containing, expressed in tumorigenic astrocytes),FUNCTION: Adapter protein involved in regulating diverse signal transduction pathways. Involved in the regulation of endocytosis and lysosomal degradation of ligand-induced receptor tyrosine kinases, including EGFR and MET/hepatocyte growth factor receptor, through an association with CBL and endophilins. The association with CBL, and thus the receptor internalization, may be inhibited by an interaction with PDCD6IP and/or SPRY2. Involved in regulation of ligand-dependent endocytosis of the IgE receptor. Attenuates phosphatidylinositol 3-kinase activity by interaction with its regulatory subunit (By similarity). May be involved in regulation of cell adhesion, promotes the interaction

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## Target Details

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between TTK2B and PDCD6IP. May be involved in the regulation of cellular stress response via the MAPK pathways through its interaction with MAP3K4. Is involved in modulation of tumor necrosis factor mediated apoptosis. Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the control of cell shape and migration (By similarity). Has an essential role in the stimulation of B cell activation (By similarity). {ECO:0000250, ECO:0000250|UniProtKB:Q96B97}.

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Molecular Weight: 78.2 kDa

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UniProt: [Q8R550](#)

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Pathways: [EGFR Signaling Pathway](#), [EGFR Downregulation](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months