

Datasheet for ABIN7564846

SH3BP4 Protein (AA 1-962) (His tag)



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Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | SH3BP4 |
| Protein Characteristics: | AA 1-962 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This SH3BP4 protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

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|-----------|---|
| Purpose: | Custom-made recombinat Sh3bp4 Protein expressed in mammalian cells. |
| Sequence: | <p>MAAQRIRAAN ASGLPRCKSE GTLIDLSEGF SETSFNDVKV PSPSALLVDN PTPFGNAKEV</p> <p>IAIKDYCPNN FTTLKFSKGD HLYVLDTSGG EWWYAHNTTE MGYIPSSYVQ PLNYRNSTLS</p> <p>DSGMIDNLPD SPEEVAKELD LLGGGWTTDDQ KESGRPYSNP PFWNGVRTNP FLNGNAQPST</p> <p>DELNPKSTVD LLLFDTGTSS FTESSATTN STGNIFDELP ATNGLQVEQP VKRDNPFRRS</p> <p>KRSYSLSELS VLQAKSDAPP TSSFFTGLKS PVPEQFSRE DFRTAWLNHR KLARSCHDLD</p> <p>LLGQSPGWGQ TQAVETNIVC KLDSSGGSVQ LPDTNISIHV PEGHVAPGET QQISMKALLD</p> <p>PPLDLNSDRS TSVSPVVEVK LSNLEVSTFI ILEMKVSAEV KGDIFSKSTV VLQCLRSDSK</p> <p>EGPYVPIPLA YSYGDTIQVQ LDNLEPCMYL AIVAQGNIL YPSTVWDFIN KRVTVGLYGP</p> <p>KHIHPSFKTV VTIFGHDCAP KTLVSEVTR QAPSPAPVAL QLWGKHQFIL SRPQDLRVCM</p> <p>FSNMTNIEVK ANEQARVVRG FQMKGKVSRLIFSVISQNP NELSDFTLRV QVKDDQDTIL</p> <p>TQFCVQTPQP PPKSAIKPSG QRRFLKKNEV GKIILSPFVW TTKYPTFQDR PVSSLKFGKL</p> |

LKTVVRQNKS HYLLEYKKGD VVALLSEERI RLKGQLWTKE WYIGYYQGKV GLVHTKNVLV
VGKARPSLFS GPELSTSVLL EQILRPCKFL TYIYASVRTL LMENISSWRA FADALGYGNL
PLTFFCRAEL DSEPERVASV LEKLKEDCNN PDNKDRKSFQ KELVMALLKM DCQGLVVRLI
QDFVLLTTAV EVAQRWRELA EKLAKVSKQQ MDAYESPHRD RNGVVDSEAM WKPAYDFLLT
WSHQIGDSYR DVIQELHIGL DKMKNPITRR WKHLTGTLL VNSLDILRAA AFSPADHDDF VI

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:

- 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

Grade:

custom-made

Target Details

Target:

SH3BP4

Alternative Name:

Sh3bp4 ([SH3BP4 Products](#))

Background:

SH3 domain-binding protein 4,FUNCTION: May function in transferrin receptor internalization at the plasma membrane through a cargo-specific control of clathrin-mediated endocytosis. Alternatively, may act as a negative regulator of the amino acid-induced TOR signaling by inhibiting the formation of active Rag GTPase complexes. Preferentially binds inactive Rag GTPase complexes and prevents their interaction with the mTORC1 complex inhibiting its

Target Details

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| | relocalization to lysosomes and its activation. Thereby, may indirectly regulate cell growth, proliferation and autophagy (By similarity). {ECO:0000250}. |
| Molecular Weight: | 107.6 kDa |
| UniProt: | Q921I6 |

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. |
| 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 |