

Datasheet for ABIN7555461

SH3BP4 Protein (AA 1-963) (His tag)



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Overview

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|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | SH3BP4 |
| Protein Characteristics: | AA 1-963 |
| Origin: | Human |
| 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>MAAQIRAAAN SNGLPRCKSE GTLIDLSEGF SETSFNDIKV PSPSALLVDN PTPFGNAKEV</p> <p>IAIKDYCPTN FTTLKFSKGD HLYVLDTSGG EWWYAHNTTE MGYIPSSYVQ PLNYRNSTLS</p> <p>DSGMIDNLPD SPDEVAKELE LLGGWTDDKK VPGRMYSNNP FWNGVQTNPF LNGNVPVMPS</p> <p>LDELNPKSTV DLLLFDAGTS SFTSSSATT NSTGNIFDEL PVTNGLHAEP PVRRDNPFFR</p> <p>SKRSYSLSEL SVLQAKSDAP TSSSFFTGLK SPAPEQFQSR EDFRTAWLNH RKLARSCHDL</p> <p>DLLGQSPGWG QTQAVETNIV CKLDSSGGAV QLPDTSISIH VPEGHVAPGE TQQISMKALL</p> <p>DPPELNSDR SCSISPVLEV KLSNLEVKTS IILEMKVSAE IKNDLFSKST VGLQCLRSDS</p> <p>KEGPYVSVPL NCSCGDTVQA QLHNLEPCMY VAVVAHGPSI LYPSTVWDFI NKKVTVGLYG</p> <p>PKHIHPSFKT VVTIFGHDC A PKTLLVSEVT RQAPNPAPVA LQLWGKHQFV LSRPQDLKVC</p> <p>MFSNMTNIEV KASEQAKVVR GFQLKLGKVS RLIFPITSQN PNELSDFTLR VQVKDDQEI</p> <p>LTQFCVQTPQ PPPKSAIKPS GQRRFLKKNE VGKIILSPFA TTTYPTFQD RPYVSSLKFGK</p> |

Product Details

LLKTVVRQNK NHYLLEYKKG DGIALLSEER VRLRGQLWTK EWYIGYYQGR VGLVHTKNVL
VVGRARPSLC SGPELSTSVL LEQILRPCKF LTYIYASVRT LLMENISSWR SFADALGYVN
LPLTFFCRAE LDSEPERVAS VLEKLKEDCN NTENKERKSF QKELVMALLK MDCQGLVRL
IQDFVLLTTA VEVAQRWREL AEKLAKVSKQ QMDAYESPHR DRNGVVDSEA MWKPAYDFLL
TWSHQIGDSY RDVIQELHLG LDKMKNPITK RWKHLTGTLI LVNSLDVLR AAFSPADQDD FVI

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 (EH-binding protein 10) (Transferrin receptor-trafficking protein),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

Target Details

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| | complexes and prevents their interaction with the mTORC1 complex inhibiting its relocalization to lysosomes and its activation. Thereby, may indirectly regulate cell growth, proliferation and autophagy. {ECO:0000269 PubMed:16325581, ECO:0000269 PubMed:22575674}. |
| Molecular Weight: | 107.5 kDa |
| UniProt: | Q9P0V3 |

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 |