

Datasheet for ABIN7555604  
**STAMBP Protein (AA 1-424) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	STAMBP
Protein Characteristics:	AA 1-424
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STAMBP protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat STAMBP Protein expressed in mammalien cells.
Sequence:	<p>MSDHGDVSLP PEDRVRALSQ LGS AVEVNED IPPRRYFRSG VEIIRMASIY SEEGNIEHAF ILYNKYITLF IEKLPKHRDY KSAVIPEKKD TVKKLKEIAF PKAEELKAEL LKRYTKEYTE YNEEKKEAE ELARNMAIQQ ELEKEKQRVA QKQQLLEQE QHAFEEMIR NQELEKERLK IVQEFQKVDV GLGGPLVPDL EKPSLDVFPT LTVSSIQPSD CHTTVPKPK PVVDRSLKPG ALSNSESIPT IDGLRHVVVP GRLCPQFLQL ASANTARGVE TCGILCGKLM RNEFTITHVL IPKQSAGSDY CNTENEEELF LIQDQQLIT LGWIHTHTPTQ TAFSSVDLH THCSYQMMLP ESVAIVCSPK FQETGFFKLT DHGLEEISS RQKGFPHPSK DPPLFCSCSH VTVVDRAVTI TDLR</p> <p><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></p>
Characteristics:	Key Benefits:

## Product Details

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- 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

## Target Details

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Target: STAMBP

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Alternative Name: STAMBP ([STAMBP Products](#))

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Background: STAM-binding protein (EC 3.4.19.-) (Associated molecule with the SH3 domain of STAM) (Endosome-associated ubiquitin isopeptidase),FUNCTION: Zinc metalloprotease that specifically cleaves 'Lys-63'-linked polyubiquitin chains (PubMed:15314065, PubMed:23542699, PubMed:34425109). Does not cleave 'Lys-48'-linked polyubiquitin chains (PubMed:15314065). Plays a role in signal transduction for cell growth and MYC induction mediated by IL-2 and GM-CSF (PubMed:10383417). Potentiates BMP (bone morphogenetic protein) signaling by antagonizing the inhibitory action of SMAD6 and SMAD7 (PubMed:11483516). Has a key role in regulation of cell surface receptor-mediated endocytosis and ubiquitin-dependent sorting of receptors to lysosomes (PubMed:15314065, PubMed:17261583). Endosomal localization of STAMBP is required for efficient EGFR degradation but not for its internalization (PubMed:15314065, PubMed:17261583). Involved in the negative regulation of PI3K-AKT-mTOR and RAS-MAP signaling pathways (PubMed:23542699).  
{ECO:0000269|PubMed:10383417, ECO:0000269|PubMed:11483516, ECO:0000269|PubMed:15314065, ECO:0000269|PubMed:17261583,

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## Target Details

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ECO:0000269|PubMed:23542699, ECO:0000269|PubMed:34425109}.

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Molecular Weight: 48.1 kDa

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UniProt: [O95630](#)

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## 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

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## 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

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