

Datasheet for ABIN7552576  
**BCAS3 Protein (AA 1-928) (His tag)**



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## Overview

Quantity:	1 mg
Target:	BCAS3
Protein Characteristics:	AA 1-928
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BCAS3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant BCAS3 Protein expressed in mammalian cells.
Sequence:	MNEAMATDSP RRRSRCTGGV VVRPQAVTEQ SYMESVVTFL QDVVPQAYSG TPLTEEKEKI VWVRFENADL NDTSRNLEFH EIHSTGNEPP LLIMIGYSDG MQVWSIPISG EAQELFSVRH GPIRAARILP APQFGAQKCD NFAEKRPLLG VCKSIGSSGT SPPYCCVDLY SLRTGEMVKS IQFKTPIYDL HCNKRILVVV LQEKIAAFDS CTFTKKFFVT SCYPCPGPNM NPIALGSRWL AYAENKLIRC HQSRGGACGD NIQSYTATVI SAAKTLKSLG TMVGKVVTL TGTLPSPGVTE DDVAIHSNSR RSPLVPGIIT VIDTETVGEQ QVLVSESDS DGIVAHFPAH EKPVCCMAFN TSGMLLVTTD TLGHDFHFVQ ILTHPWSSSQ CAVHHLTYTLH RGETEAKVQD ICFSHDCRWV VVSTLRGTSH VFPINPYGGQ PCVRTHMSPR VVNMRSRFQK SAGLEEIEQE LTSKQGGRCG PVPGLSSSPS GSPLHGKLNQ QDSYNNFTNN NPGNPRLSPL PSLMVMPLA QIKQPMTLGT ITKRTGPYLF GAGCFSIKAP CKVKPPPQIS PSKSMGGEFC VAAIFGTSRS WFANNAGLKR EKDQSKQVVV ESLYIISCYG TLVEHMMMEPR PLSTAPKISD DTPLEMMTSP RASWTLVTRTP QWNEHQPPFN ANHPLLLAAD AVQYYQFLA GLVPPGSPGP ITRHGSYDSL ASDHSGQEDE

## Product Details

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EWLSQVEIVT HTGPHRRLWM GPQFQFKTIH PSGQTTVISS SSSVLQSHGP SDTPQPLDF  
DTDDLNLNSL RIQVRSDPV SMPGSSRPVS DRRGVSTVID AASGTFDRSV TLLEVCOSWP  
EGFLRHMS MEHTEEGLRE RLADAMAESP SRDVVGSSTE LQREGSIETL SNSSGSTSGS  
IPRNFQGYRS PLPTNESQPL SLFPTGFP **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.**

**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.

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

**Grade:** custom-made

## Target Details

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**Target:** BCAS3

**Alternative Name:** BCAS3 ([BCAS3 Products](#))

**Background:** BCAS3 microtubule associated cell migration factor (Breast carcinoma-amplified sequence 3) (GAOB1),FUNCTION: Plays a role in angiogenesis. Participates in the regulation of cell polarity and directional endothelial cell migration by mediating both the activation and recruitment of CDC42 and the reorganization of the actin cytoskeleton at the cell leading edge. Promotes filipodia formation (By similarity). Functions synergistically with PELP1 as a transcriptional

## Target Details

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coactivator of estrogen receptor-responsive genes. Stimulates histone acetyltransferase activity. Binds to chromatin. Plays a regulatory role in autophagic activity. In complex with PHAF1, associates with the preautophagosomal structure during both non-selective and selective autophagy (PubMed:33499712). Probably binds phosphatidylinositol 3-phosphate (PtdIns3P) which would mediate the recruitment preautophagosomal structures (PubMed:33499712). {ECO:0000250|UniProtKB:Q8CCN5, ECO:0000269|PubMed:17505058, ECO:0000269|PubMed:33499712}.

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Molecular Weight: 101.2 kDa

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UniProt: [Q9H6U6](#)

## 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.

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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