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Datasheet for ABIN3136411

BCAS3 Protein (AA 1-928) (His tag)

1 Image

Overview

Quantity:	1 mg
Target:	BCAS3
Protein Characteristics:	AA 1-928
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BCAS3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)

Product Details

Sequence: MNETMATDSP RRRSRCTGGV VVRPQAVTEQ SYMESVVTFL QDVVPQAYSG SPLTEEKEKI
VWVRFENADL NDTSRNLEFH ELHSTGNEPP LLVMIGYSDG MQVWGIPISG EAQELFSVRH
GPVRAARILP APQLGAQKCD NFAEKRPLLG VCKSIGSSGT TTPYCCVDLY SLRTGEMVKS
IQFKTPIYDL HCNKRILVVV LQEKIAAFDS CTFTKKFFVT SCYPCPGPNM NPIALGSRWL
AYAENKLIRC HQSRGGACGD NIQSYTATVL SAAKTLKSLG TMVGKVVTVL TGTLPSPGTE
DDVALHCNSR RSPLVPGIIT VIDTETVGEQ QVLVSESDS DGIVAHFPAH EKPVCMAFN
TSGMLLVTTD TLGHDFHFVQ ILTHPWSSSQ CAVHHLYTLH RGETEAKVQD ICFSHDCRWV
VVSTLRGTSH VFPINPYGGQ PCVRTHMSPR VVNRMRSRFQK SAGLEEIEQE LTSKQGGRCs
PVPGLSSSPS GSPLHGKLTs QDSYNNFTNN NPGNPRLSPL PSLMVTPLA QIKQPMTLGT
ITKRTGPYLF GAGCFSIKAP CKVKSPQIS PSKSMGGEFC VAAVFGTSRS WFANNAGLKR
EKDQSKQVVV ESLYIISCYG TLVEHMIER PISTAPKISD DTPLEIMTSP RASWTLVRTP
QWNEHQPPFN ANHPLLLAAE AVQYYQLLLA GSLPPGSPGP ITRHGSYDSL ASDHSGQEDE

EWLSQVEIVT HTGPHRRLWM GPQFHFKEIQ TSGQTTVIST SSSVLQSHGP SDTPQPLDF
DTDDLNLNSL RIQVRSRPV SMPGSSRAVS DRRGVSTVTD AASGTFDRSV TLLEVCOSWP
EGFGLRHMSS MEHSEEGLRE RLADAMAESP SRDVVGSSTE LQREGSIETL SNSSGSTSGS
IPRNFDFYRS PLPTNESQPL SLFPTGFP

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Bcas3 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.

Purification:

Two step purification of proteins expressed in baculovirus infected SF9 insect cells:

1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.

Purity:

>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.

Product Details

Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	BCAS3
Alternative Name:	Bcas3 (BCAS3 Products)
Background:	Functions synergistically with PELP1 as a transcriptional coactivator of estrogen receptor-responsive genes. Stimulates histone acetyltransferase activity. Binds to chromatin (By similarity). 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. {ECO:0000250 UniProtKB:Q9H6U6, ECO:0000269 PubMed:22300583}.
Molecular Weight:	102.0 kDa Including tag.
UniProt:	Q8CCN5

Application Details

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 gurantee though.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C

Handling

Storage Comment: Store at -80°C.

Expiry Date: Unlimited (if stored properly)

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process