

Datasheet for ABIN7552686

BUB1B Protein (AA 1-1050) (His tag)



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Overview

Quantity:	1 mg
Target:	BUB1B
Protein Characteristics:	AA 1-1050
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BUB1B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant BUB1B Protein expressed in mammalian cells.
Sequence:	<p>MAAVKKEGGA LSEAMSLEGD EWELSKENVQ PLRQGRIMST LQGALAQESA CNNTLQQQKR</p> <p>AFEYEIRFYT GNDPLDVWDR YISWTEQNYP QGGKESNMST LLERAVEALQ GEKRYYS DPR</p> <p>FLNLWLKLGR LCNEPLDMYS YLHNQGIGVS LAQFYISWAE EYEARENFRK ADAIFQEGIQ</p> <p>QKAEPLERLQ SQHRQFQARV SRQTLLEK EEEEEVFESS VPQRSTLAEL KSKGKKTARA</p> <p>PIIRVGGALK APSQNRGLQN PFPQQMQNNS RITVFDENAD EASTAELSKP TVQPWIAPPM</p> <p>PRAKENELQA GPWNTGRSLE HRPRGNTASL IAVPAVLPSF TPYVEETARQ PVMTPCCKIEP</p> <p>SINHILSTRK PGKEEGDPLQ RVQSHQQASE EKKEKMMYCK EKİYAGVGEF SFEEIRAEVF</p> <p>RKKLKEQREA ELLTSAEKRA EMQKQIEEME KKLKEIQTQ QERTGDQEE TMPTKETTKL</p> <p>QIASESQKIP GMTLSSSVCQ VNCCARETSL AENIWQEQPH SKGPSVPFSI FDEFLLEKK</p> <p>NKSPPADPPR VLAQRRPLAV LKTSSESITSN EDVSPDVCDE FTGIEPLSED AIITGFRNVT</p> <p>ICPNPEDTCD FARAARFVST PFHEIMSLKD LPSDPERLLP EEDLDVKTSE DQQTACGTIY</p> <p>SQTLSIKKLS PIIEDSREAT HSSGFSGSSA SVASTSSIKC LQIPEKLELT NETSENPTQS</p>

PWCSQYRRQL LKSLPELSAS AELCIEDRPM PKLEIEKEIE LGNEDYCIKR EYLICEDYKL
FWVAPRNSAE LTVIKVSSQP VPWDFYINLK LKERLNEDFD HFCSCYQYQD GCIVWHQYIN
CFTLQDLLQH SEYITHEITV LIYNLLTIV EMLHKAIEIVH GDLSPRCLIL RNRIHDPYDC
NKNNQALKIV DFSYSVDLRV QLDVFTLSGF RTVQILEGQK ILANCSSPYQ VDLFGIADLA
HLLLFKEHLQ VFWDGSFWKL SQNISELKDG ELWNKFFVRI LNANDEATVS VLGELAAEMN
GVFDTTFQSH LNKALWKVGK LTSPGALLFQ

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

Target: BUB1B

Alternative Name: BUB1B (BUB1B Products)

Background: Mitotic checkpoint serine/threonine-protein kinase BUB1 beta (EC 2.7.11.1) (MAD3/BUB1-related protein kinase) (hBUBR1) (Mitotic checkpoint kinase MAD3L) (Protein SSK1),FUNCTION:

Target Details

Essential component of the mitotic checkpoint. Required for normal mitosis progression. The mitotic checkpoint delays anaphase until all chromosomes are properly attached to the mitotic spindle. One of its checkpoint functions is to inhibit the activity of the anaphase-promoting complex/cyclosome (APC/C) by blocking the binding of CDC20 to APC/C, independently of its kinase activity. The other is to monitor kinetochore activities that depend on the kinetochore motor CENPE. Required for kinetochore localization of CENPE. Negatively regulates PLK1 activity in interphase cells and suppresses centrosome amplification. Also implicated in triggering apoptosis in polyploid cells that exit aberrantly from mitotic arrest. May play a role for tumor suppression. {ECO:0000269|PubMed:10477750, ECO:0000269|PubMed:11702782, ECO:0000269|PubMed:14706340, ECO:0000269|PubMed:15020684, ECO:0000269|PubMed:19411850, ECO:0000269|PubMed:19503101}.

Molecular Weight: 119.5 kDa

UniProt: [O60566](#)

Application Details

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.

Restrictions: For Research Use only

Handling

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