

Datasheet for ABIN7556312
BUB3 Protein (AA 1-326) (His tag)



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Overview

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|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | BUB3 |
| Protein Characteristics: | AA 1-326 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This BUB3 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant Bub3 Protein expressed in mammalian cells. |
| Sequence: | MTGSNEFKLN QPPEDGISSV KFSPNTSQFL LVSSWDTSVR LYDVPANSMR LKYQHTGAVL DCAFYDPTHA WSGGLDHQLK MHDLNTDQEN LVGTHDAPIR CVEYCPEVNV MVTGSWDQTV KLWDPRTPCN AGTFSQPEKV YTLSVSGDRL IVGTAGRRVL VWDLRNMGYV QQRRESSLKY QTRCIRAFPN KQGYVLSSIE GRVAVEYLDP SPEVQKKKYA FKCHRLKENN IEQIYPVNAI SFHNIHNTFA TGGSDGFVNI WDPFNKKRLC QFHRYPTSIA SLAFSNDGTT LAIASSYMYE MDDTEHPEDG IFIRQVTD AE TKPKST 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: |

Product Details

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
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| Grade: | custom-made |
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Target Details

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| Target: | BUB3 |
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| Alternative Name: | Bub3 (BUB3 Products) |
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| Background: | Mitotic checkpoint protein BUB3 (WD repeat type I transmembrane protein A72.5),FUNCTION: Has a dual function in spindle-assembly checkpoint signaling and in promoting the establishment of correct kinetochore-microtubule (K-MT) attachments. Promotes the formation of stable end-on bipolar attachments. Necessary for kinetochore localization of BUB1. The BUB1/BUB3 complex plays a role in the inhibition of anaphase-promoting complex or cyclosome (APC/C) when spindle-assembly checkpoint is activated and inhibits the ubiquitin ligase activity of APC/C by phosphorylating its activator CDC20. This complex can also phosphorylate MAD1L1 (By similarity). Regulates chromosome segregation during oocyte meiosis. {ECO:0000250, ECO:0000269 PubMed:19888327}. |
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|-------------------|----------|
| Molecular Weight: | 37.0 kDa |
|-------------------|----------|

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|----------|------------------------|
| UniProt: | Q9WVA3 |
|----------|------------------------|

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| Pathways: | Maintenance of Protein Location |
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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
