

Recombinant Human BUB1B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BUB1B-465H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BUB1B MS Standard C13 and N15-labeled recombinant protein (NP_001202) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a kinase involved in spindle checkpoint function. The protein has been localized to the kinetochore and plays a role in the inhibition of the anaphase-promoting complex/cyclosome (APC/C), delaying the onset of anaphase and ensuring proper chromosome segregation. Impaired spindle checkpoint function has been found in many forms of cancer.
Molecular Mass	119.5 kDa
AA Sequence	MAAVKKEGGALSEAMSLEGDEWELSKENVQPLRQGGRIMSTLQGALAQESACNNTL QQQKRAFEYEIRFYTGNDPLDVWDYISWTEQNYPPQGGKESNMSTLLERAVEALQ GEKRYYS DPRFLNLWLKLGRLCNEPLDMYSYLHNQGIGVSLAQFYISWAE EYEARE NFRKADAIFQEGIQKAEPLERLQSQHRQFQARVSRQTLLALEKEEEEEVFESSVPQ RSTLAELKSKGKKTARAPIIRVGGALKAPSQNRGLQNPFPQQMQNNSRITVFDENAD EASTAELSKPTVQPWIAPPM PRAKENELQAGPWNTGRSLEHRPRGNTASLIAPPAV LPSFTPYVEETAQQPVMT PCKIEPSINHILSTRKPGKEEGDSLQRVQSHQQASEEKK EKMMYCKEKIYAGVG EFSFEEIRAEVFRKKLKEQREAE LLTSAEKRAEMQKQIEEME

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KKLKEIQTQTQERTGDQQEETMPTKETTKLQIASESQKIPGMTLSSSVCQVNCCARE
 TSLAENIWQEQPHSKGPSVPFSIFDEFLLEKKNKSPADPPRVLAQRRPLAVLKTS
 ESITSNEDVSPDVCDEFTGIEPLSEDAITGFRNVTICPNPEDTCDFARAARFVSTPFH
 EIMSLKDLPSDPERLLPEEDLDVKTSQDQACGTIYSQTLSEKLSPIIEDSREATHS
 SGFSGSSASVASTSSIKCLQIPEKLELTNETSENPTQSPWCSQYRRQLLKSPELSA
 SAELCIEDRPMPKLEIEKEIELGNEDYCIKREYLCEDYKLFVWAPRNSAELTVIKVSS
 QPVPWDFYINLKLKERLNEDFDHFCSCYQYQDGCIVWHQYINCFTLQDLLQHSEYIT
 HEITVLIYNNLLTIVEMLHKAIEIVHGDLSRCLILRNRIHDPYDCNKNQALKIVDFSYSV
 DLRVQLDVFTLSGFRTVQILEGQKILANCSSPYQVDLFGIADLAHLLLKEHLQVFW
 GSFWKLSQNISELKDGELWNKFFVRILNANDEATVSVLGELAAEMNGVFDTTFQSHL
 NKALWKVGLTSPGALLFQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name BUB1B BUB1 mitotic checkpoint serine/threonine kinase B [Homo sapiens (human)]

Official Symbol BUB1B

Synonyms BUB1B; budding uninhibited; budding uninhibited by benzimidazoles 1 (yeast homolog), beta; mitotic checkpoint serine/threonine-protein kinase BUB1 beta;

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Bub1A; BUBR1; MAD3L; SSK1; mitotic checkpoint kinase MAD3L; MAD3/BUB1-related protein kinase; hBUBR1; BUB1beta;

Gene ID 701

mRNA Refseq NM_001211

Protein Refseq NP_001202

MIM 602860

UniProt ID O60566

SDS-PAGE



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