Recombinant Human BUB1B

Cat. No. BUB1B-27105TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human BubR1 with a proprietary N terminal tag: predicted molecular weight 141.61 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	1050 amino acids
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 Weight	141.610kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids	MAAVKKEGGALSEAMSLEGDEWELSKENVQPLRQGRIMST LQGALAQESACNNTL QQQKRAFEYEIRFYTGNDPLDVWDR YISWTEQNYPQGGKESNMSTLLERAVEALQ GEKRYYSDPR FLNLWLKLGRLCNEPLDMYSYLHNQGIGVSLAQFYISWAE EYEAR ENFRKADAIFQEGIQQKAEPLERLQSQHRQFQARV SRQTLLALEKEEEEEVFESSV PQRSTLAELKSKGKKTARA PIIRVGGALKAPSQNRGLQNPFPQQMQNNSRITVFDE NAD EASTAELSKPTVQPWIAPPMPRAKENELQAGPWNTGRSLE HRPRGNTASLIA VPAVLPSFTPYVEETAQQPVMTPCKIEP SINHILSTRKPGKEEGDSLQRVQSHQQAS EEKKEKMMYCK EKIYAGVGEFSFEEIRAEVFRKKLKEQREAELLTSAEKRA EMQKQ IEEMEKKLKEIQTTQQERTGDQQEETMPTKETTKL QIASESQKIPGMTLSSSVCQVN CCARETSLAENIWQEQPH SKGPSVPFSIFDEFLLSEKKNKSPPADPPRVLAQRRPL AV LKTSESITSNEDVSPDVCDEFTGIEPLSEDAIITGFRNVT ICPNPEDTCDFARAAR FVSTPFHEIMSLKDLPSDPERLLP EEDLDVKTSEDQQTACGTIYSQTLSIKKLSPIIED SREAT HSSGFSGSSASVASTSSIKCLQIPEKLELTNETSENPTQS PWCSQYRRQLL KSLPELSASAELCIEDRPMPKLEIEKEIE LGNEDYCIKREYLICEDYKLFWVAPRNSAE LTVIKVSSQP VPWDFYINLKLKERLNEDFDHFCSCYQYQDGCIVWHQYIN CFTLQD LLQHSEYITHEITVLIIYNLLTIVEMLHKAEIVH GDLSPRCLILRNRIHDPYDCNKNNQA LKIVDFSYSVDLRV QLDVFTLSGFRTVQILEGQKILANCSSPYQVDLFGIADLA HLLL FKEHLQVFWDGSFWKLSQNISELKDGELWNKFFVRI LNANDEATVSVLGELAAEMN GVFDTTFQSHLNKALWKVGK LTSPGALLFQ

GENE INFORMATION

Gene Name	BUB1B budding uninhibited by benzimidazoles 1 homolog beta (yeast) [Homo sapiens]
Official Symbol	BUB1B
Synonyms	BUB1B; budding uninhibited; budding uninhibited by benzimidazoles 1 (yeast homolog), beta; mitotic checkpoint serine/threonine-protein kinase BUB1 beta; Bub1A; BUBR1; MAD3L; SSK1;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	701
mRNA Refseq	NM_001211
Protein Refseq	NP_001202
MIM	602860
Uniprot ID	O60566
Chromosome Location	15q15
Pathway	APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; Activation of APC/C and APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem;
Function	ATP binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA