

Product datasheet for **TP305844**

BubR1 (BUB1B) (NM_001211) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human budding uninhibited by benzimidazoles 1 homolog beta (yeast) (BUB1B), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205844 protein sequence Red =Cloning site Green =Tags(s)

MAAVKKEGGALSEAMSLEGDEWELSKENVQPLRQGRIMSTLQGALAQESACNNTLQQQKRAFEYEIRFYT
GNDPLDVWDYISWTEQNYPQGGKESNMSTLLERAVEALQGEKRYSDPRFLNLWLKLGRLCNEPLDMYS
YLHNQGIGVSLAQFYISWAEYEARENFRKADAIFQEGIQKAEPLERLQSQHRQFQARVSRQTLLEK
EEEEVFESSVPQRSTLAEKSKGKKTARAPIIRVGGALKAPSQNRGLQNPFPQQMQNNSRITVFDENAD
EASTAELSKPTVQPWIAPPMPRAKENELQAGPWNTGRSLEHRPRGNTASLIAPPAVLPSFTPYVEETAQQ
PVMTPCKIEPSINHILSTRKPGKEEGDSLQRVQSHQQAEEKKEKMMYCKEKIYAGVGEFSFEEIRAEVF
RKKLKEQREALLTSAEKRAEMQKQIEEMKKLKEIQTQERTGDQQEETMPTKETTQLQIASQKIP
GMTLSSSVCQVNCCARETSLAENIWQEQPHSKGPSVPFSIFDEFLLSEKKNKSPADPPRVLAQRRPLAV
LKTSESITSNEDVSPDVCDEFTGIEPLSEDAITGFRNVTICPNPEDTCDFARAARFVSTPFHEIMSLKD
LPSDPERLLPEEDLDVKTSEDQQTACGTIYSQTLSEKLSPIIEDSREATHSSGFGSSASVASTSSIKC
LQIPEKLELTNETSENPTQSPWCSQYRRQLLKSPELSASAELCIEDRMPKLEIEKEIELGNEDYCIKR
EYLICEDYKLFVWAPRNSAELTVIKVSSQPVPWDFYINLKLKERLNEDFDHFCSCYQYQDGCIVWHQYIN
CFTLQDLLQHSEYITHEITVLIYNLLTIVEMLHKAIVHGDLSPRCLILRNRIHDPYDCNKNNQALKIV
DFSYSVDLRVQLDVFTLSGFRTVQILEGQKILANCSSPYQVDLFGIADLAHLLLFKEHLQVFWDGFSFWKL
SQNISELKDGEELWNKFFVRILNANDEATVSVLGELAAEMNGVFDTTFQSHLNKALWKVKGKLTSPGALLFQ

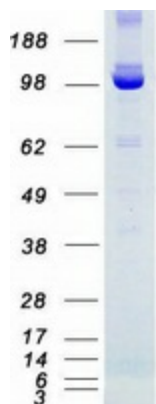
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	119.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001202
Locus ID:	701
UniProt ID:	O60566
RefSeq Size:	3749
Cytogenetics:	15q15.1
RefSeq ORF:	3150
Synonyms:	Bub1A; BUB1beta; BUBR1; hBUBR1; MAD3L; MVA1; SSK1
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Protein Kinase, Stem cell - Pluripotency
Protein Pathways:	Cell cycle

Product images:

Coomassie blue staining of purified BUB1B protein (Cat# TP305844). The protein was produced from HEK293T cells transfected with BUB1B cDNA clone (Cat# [RC205844]) using MegaTran 2.0 (Cat# [TT210002]).