

## Product datasheet for **TP305844M**

### **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), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205844 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAAVKKEGGALSEAMSLEGDEWELSKENVQPLRQGRIMSTLQGALAQESACNNTLQQQKRAFEYEIRFYT  
GNDPLDWDYISWTEQNYPQGGKESNMSTLLERAVEALQGEKRYSDPRFLNLWLKLGRLCNEPLDMYS  
YLHNQGIGVSLAQFYISWAEYEARENFRKADAIFQEGIQKAEPLERLQSQHRQFQARVSRQTLLEK  
EEEEVFESSVPQRSTLAEKSKGKKTARAPIIRVGGALKAPSQNRGLQNPFPQQMQNNSRITVFDENAD  
EASTAELSKPTVQPWIAPPMPRAKENELQAGPWNTGRSLEHRPRGNTASLIAPPAVLPSFTPYVEETAQQ  
PVMTPCKIEPSINHILSTRKPGKEEGDSLQRVQSHQQAEEKKEKMMYCKEKIYAGVGEFSFEEIRAEVF  
RKKLKEQREALLTSAEKRAEMQKQIEEMEKLLKEIQTQERTGDQQEETMPTKETTLLQIASQKIP  
GMTLSSSVCQVNCARETSLAENIWQEQPHSKGPSVPFSIFDEFLLSEKKNKSPADPPRVLAQRRPLAV  
LKTSESITSNEDVSPDVCDEFTGIEPLSEDAITGFRNVTICPNPEDTCDFARAARFVSTPFHEIMSLKD  
LPSDPERLLPEEDLDVKTSEDQQTACGTIYSQTLSEKLSPIIEDSREATHSSGFGSSASVASTSSIKC  
LQIPEKLELTNETSENPTQSPWCSQYRRQLLKSPELSASAELCIEDRMPKLEIEKEIELGNEDYCIKR  
EYLICEDYKLFVWAPRNSAELTVIKVSSQPVPWDFYINLKLKERLNEDFDHFCSCYQYQDGCIVWHQYIN  
CFTLQDLLQHSEYITHEITVLIYNLLTIVEMLHKAIVHGDLSPRCLILRNRIHDPYDCNKNNQALKIV  
DFSYSVDLRVQLDVFTLSGFRTVQILEGQKILANCSSPYQVDLFGIADLAHLLLFKEHLQVFWDGFSWKL  
SQNISELKDGEELWNKFFVRILNANDEATVSVLGELAAEMNGVFDTTFQSHLNKALWKVKGKLTSPGALLFQ

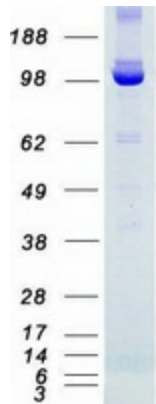
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

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