

Product datasheet for PH305844

BubR1 (BUB1B) (NM_001211) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BUB1B MS Standard C13 and N15-labeled recombinant protein (NP_001202)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205844
Predicted MW:	119.5 kDa
Protein Sequence:	>RC205844 protein sequence Red=Cloning site Green=Tags(s)

MAAVKKEGGALSEAMSLEGDEWELSKENVQPLRQGRIMSTLQGALAQESACNNTLQQQKRAFEYEIRFYT
GNDPLDVWDRIYSWTEQNYPPQGKESNMSTLLERAVEALQGEKRYSDPRFLNLWLKLGRLCNEPLDMYS
YLHNQIGIVSLAQFYISWAEYEARENFRKADAIQEGIQKAEPLERLQSQHRQFQARVSRQTLLEK
EEEEVFESSVQRSTLAEKSKGKKTARAPIIRVGGALKAPSNRGLQNPFPQQMNNRITVFDENAD
EASTAELSKPTVQPIAPPMPRAKENELQAGPWNTGRSLEHRPRGNTASLIAPVAVLPSFTPYVEETAQQ
PVMTPEKIEPSINHILSTRKPGKEEGDSLQRVQSHQQASEEKKEKMMYCKEKIYAGVGEFSFEEIRAQVF
RKKLKEQREAEALLTSAEKRAEMQKQIEEMKLLKEIQTQTQERTGDQQEETMPTKETTKLQIASQKIP
GMTLSSSVCQVNCCARETSLAENIWQEQPHSKGPSVPFSIFDEFLLSEKKNKSPADPPRVLARRRPLAV
LKTSESITSNEDVSPDVCDEFTEGIEPLSEDAIITGFRNVTICPNPEDTCDFARAARFVSTPFHEIMSLKD
LPSPDERLLPEEDLDVKTSEDQQTACGTIYSQTLSEKIKLSPIEDSREATHSSGFSGSSASVASTSSIKC
LQIPEKLELTNETSENPTQSPWCSQYRRQLLKSLELSASAELCIEDRPMCKLEIEKEIELGNEDYCIKR
EYLICEDYKLFVAVPRNSAELTVIKVSSQVPWFYINLKLKERLNEDFDHFCSCYQYQDGCIVWHQYIN
CFTLQDLLQHSEYITHEITVLIYNLLTIVEMLHKAIEIVHGDLSPRCLILRNRIHDPYDCNKNQALKIV
DFSYSVDLRVQLDVFTL SGFRVQILEGQKILANCSSPYQVDLFGIADLAHLLLFKEHLQVFDGSGFWKL
SQNISELKDGEWELWVFRILNANDEATVSVLGELAAEMNGVFDTTFQSHLNKALWVKGKLTSPGALLFQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.



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Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001202
RefSeq Size:	3749
RefSeq ORF:	3150
Synonyms:	Bub1A; BUB1beta; BUBR1; hBUBR1; MAD3L; MVA1; SSK1
Locus ID:	701
UniProt ID:	O60566
Cytogenetics:	15q15.1
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]).