

Product datasheet for TP511540

Bub1b (NM_009773) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse BUB1B, mitotic checkpoint serine/threonine kinase (Bub1b), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211540 representing NM_009773 Red=Cloning site Green=Tags(s)

MAEASEAMCLEGAEWELSKENIQPLRHGRVMSTLQGALAKQESAGHTALQQQKRAFESIRFYSGDDPLD
VWDYINWTEQNYPQGGKESNMSALVERAIEALQGETRYNDPRFLSLWIKLGHLCNEPLDMYSYLSQSG
IGVSLAQFYISWAEYEARENFKKADIIFQEGIERKAEPLDRLQSQHRQFQSRVSRQAFALGNEEEAL
EPSEPQRSSLAELKSRGKKMARAPISRVGGALKAPGQSRGFLNAVPPVHGNRRITVFDENADTASRTEL
SKPVAQPWMAPPVPRAKENELQPGPWSTDRPAGRRPHDNPASVTSIPSVLPSFTPYVEESAQQQTVMTPKK
IEPSINHVLSTRKPGREEGDPLQRVQSHQQGCEEKKEKMMYCKEKIYAGVGEFSFEEIRAQEVFRKKLKER
REAELLTSAKKREEMQKQIEEMERRLKAMQAVQQEGAGGQQEEMPTEDPARLQIASGPQEMSGVPLSCS
ICPLSSNPREISPAENILQEQPDSKGSSMPFSIFDESLDKKDKSPATGGPQVLNAQRRPLSVLKTTEVG
TTNEDVSPDICDELTELEPLSEDAIITGFRNVTLCNPEDTCDFAARLASTPFHEILSSKGIAADPEG
LLQEEDLDGKAAEAHHTVHHQALIIKKLSPIIEESREATHSSGFSRSSSSAPSTSSIKGFQLEKLELTN
DGAEDAIQSPWCSQYRLQLLKSLELSAFAEFSVEDRPMVLEIGKEIELGPEDYVIKQEHLTCDDYRLF
WVAPRSSAELTMIKASSQPIPWDFYINLKLKERLNEDYDQLCSCCQYQDGHVWVYQYINCSTLQNLQHS
EFVTHEIIVLIYNLLTIVEKLRHRAEIVHGDLSRSLILRNRIHDPYDYNKDDHAVRIMDFSYSVDLRV
QLDAFAYSGFRTAQILEGQKILANCSSPYHVDLLGIADLAHLLLFKEHLHVFDGLLWKLQSTSELKDS
ELWNKFFVRILNASDKSTVSVLGELAAEMGGAFDATFHSHLNRLWKLKGTISPALLTQQDKQPGGSQS
PA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	118.8 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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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 after receiving vials.
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_033903
Locus ID:	12236
UniProt ID:	Q9Z1S0 , Q3UZD6
RefSeq Size:	3669
Cytogenetics:	2 E5
RefSeq ORF:	3156
Synonyms:	AU045529; BUBR1
Summary:	Essential component of the mitotic checkpoint. Required for normal mitosis progression and tumor suppression. The mitotic checkpoint delays anaphase until all chromosomes are properly attached to the mitotic spindle. One of its checkpoint functions is to inhibit the activity of the anaphase-promoting complex/cyclosome (APC/C) by blocking the binding of CDC20 to APC/C, independently of its kinase activity. The other is to monitor kinetochore activities that depend on the kinetochore motor CENPE. Required for kinetochore localization of CENPE. Negatively regulates PLK1 activity in interphase cells and suppresses centrosome amplification. Also implicated in triggering apoptosis in polyploid cells that exit aberrantly from mitotic arrest. Essential for tumor suppression. May play a role in regulating aging and fertility (By similarity). [UniProtKB/Swiss-Prot Function]