

Product datasheet for MR204752

Bub3 (NM_009774) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bub3 (NM_009774) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bub3
Synonyms:	AU019800; AU021329; AU043350; AW146323; C78067
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204752 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCGTTTCGAACGAATTCAGCTGAACCAGCCACCCGAGGATGGCATCTCCTCGGTTAAGTTCAGCC
CCAACACATCCCAGTTCCTCCTGGTCTCCTCCTGGGACACGTCTGTGCGCCTCTACGATGTGCCGCCAA
TTCCATGAGGCTCAAGTACCAGCACACTGGTGTCTCCTGGACTGCGCCTTCTACGATCCAACGCATGCC
TGGAGTGGTGGATTAGATCATCAACTGAAAATGCACGATTTGAACACTGATCAAGAAAATCTTGTGGAA
CTCACGATGCCCTATCAGATGTGTTGAATACTGTCCAGAAGTGAACGTGATGGTAACTGGAAGTTGGGA
TCAGACAGTTAACTGTGGGACCCAGAACTCCGTGTAATGCTGGGACTTCTCCAGCCGAAAAGGTC
TACACCCTGTCACTGTCTGGGGACAGGCTGATTGTGGGACGGCGGGCCCGAGTGCTGGTGTGGGACT
TGCGGAACATGGGCTATGTGCAGCAGCGGAGGGAGTCCAGCCTGAAGTACCAGACTCGCTGCATCCGAGC
CTTCCCGAACAAGCAGGGTTATGTGTTGAGCTCCATCGAAGGCCGAGTGGCTGTGGAATACTTGGACCCG
AGCCCTGAGGTGCAGAAGAAGAAGTACGCCTTCAAGTGCCACAGGCTAAAGGAGAACAACATTGAGCAGA
TTTACCCAGTCAACGCCATCTCCTTTACAACATCCACAACACGTTTGCCACAGGTGGTTCGGATGGATT
CGTCAATATTTGGGACCCATTTAACAAGAAGCGCCTGTGCCAGTTCATCGGTACCCACCAGCATCGCT
TCCCTTGCCTCAGTAATGACGGAACACGCTTGCAATAGCATCGTCATATGTATGAGATGGATGACA
CCGAGCATCCTGAAGATGGTATCTTCATTCCGCAAGTGACAGACGCAGAAACAAAGCCCAAGTCCAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR204752 protein sequence
Red=Cloning site Green=Tags(s)

MTGSNEFKLNQPPEDGISSVKFSPNTSQFLLVSSWDTSVRLYDVPANSMRLKYQHTGAVLDCAFYDPTHA
 WSGGLDHQLKMHDNLNDQENLVGTHDAPIRCVEYCPEVNMVMTGSWDQTVKLWDPRTPCNAGTFSQPEKV
 YTL SVSGDRLIVGTAGRRVLVWDLRNMGYVQQRRESSLKYQTRCIRAFPNKQGYVLSIEGRVAVEYLDP
 SPEVQKKKYAFKCHRLKENNIEQIYPVNAISFHNIHNTFATGGSDGFVNIWDPFNKKRLCQFHRYPTSLA
 SLAF SNDGTTLAIASSYMEDDTEHPEDGIFIRQVTD AETKPKST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009774

ORF Size: 981 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_009774.1](#), [NM_009774.2](#), [NM_009774.3](#), [NM_009774.4](#), [NP_033904.2](#)

RefSeq Size: 2055 bp

RefSeq ORF: 981 bp

Locus ID: 12237

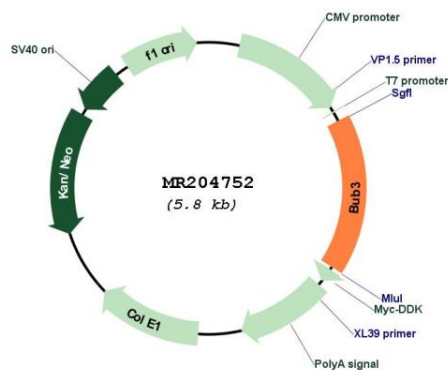
UniProt ID: [Q9WVA3](#)

Cytogenetics: 7 74.36 cM

MW: 37 kDa

Gene Summary: This gene encodes a component of the mitotic spindle assembly complex. The encoded protein is involved in the regulation of chromosome segregation during oocyte meiosis. Disruption of this gene results in the accumulation of mitotic errors and is lethal in the embryonic stage. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2015]

Product images:



Circular map for MR204752