

Product datasheet for **MG204752**

Bub3 (NM_009774) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bub3 (NM_009774) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Bub3
Synonyms: AU019800; AU021329; AU043350; AW146323; C78067
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204752 representing NM_009774
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCGTTTCGAACGAATTCAGCTGAACCAGCCACCCGAGGATGGCATCTCCTCGTTAAGTTCAGCC
CCAACACATCCCAGTTCCTCCTGGTCTCCTCCTGGGACACGTCTGTGCGCCTCTACGATGTGCCGCCAA
TTCCATGAGGCTCAAGTACCAGCACACTGGTGTCTCCTGGACTGCGCCTTCTACGATCCAACGCATGCC
TGGAGTGGTGGATTAGATCATCAACTGAAAATGCACGATTTGAACACTGATCAAGAAAATCTTGTGGAA
CTCACGATGCCCTATCAGATGTGTTGAATACTGTCCAGAAGTGAACGTGATGGTAACTGGAAGTTGGGA
TCAGACAGTTAACTGTGGGACCCAGAACTCCGTGTAATGCTGGGACTTCTCCAGCCGAAAAGGTC
TACACCCTGTCACTGTCTGGGGACAGGCTGATTGTGGGCACGGCGGCCCGAGTGTGGTGTGGGACT
TGCGGAACATGGGCTATGTGCAGCAGCGGAGGGAGTCCAGCCTGAAGTACCAGACTCGCTGCATCCGAGC
CTTCCCGAACAAGCAGGGTTATGTGTTGAGCTCCATCGAAGGCCGAGTGGCTGTGGAATACTTGGACCCG
AGCCCTGAGGTGCAGAAGAAGAAGTACGCCTTCAAGTGCCACAGGCTAAAGGAGAACAACATTGAGCAGA
TTTACCCAGTCAACGCCATCTCCTTTACAACATCCACAACACGTTTCCACAGGTGGTTCGGATGGATT
CGTCAATATTTGGGACCCATTTAACAAGAAGCGCCTGTGCCAGTTCATCGGTACCCACCAGCATCGCT
TCCCTTGCCTTCAGTAATGACGGAACACGCTTGAATAGCATCGTCATATGTATGAGATGGATGACA
CCGAGCATCCTGAAGATGGTATCTTCATTCCGCAAGTGACAGACGCAGAAACAAAGCCCAAGTCCACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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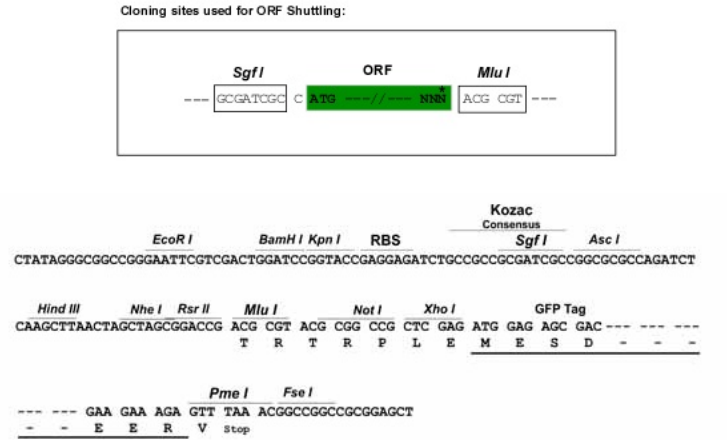
Protein Sequence: >MG204752 representing NM_009774
 Red=Cloning site Green=Tags(s)

MTGSNEFKLNQPPEDGISSVKFSPNTSQFLLVSSWDTSVRLYDVPANSMRLKYQHTGAVLDCAFYDPTHA
 WSGGLDHQLKMHDNLNTDQENLVGTHDAPIRCVEYCPEVNMVMTGSWDQTVKLWDPRTPCNAGTFSQPEKV
 YTL SVSGDRLIVGTAGRRVLVWDLRNMGYVQQRRESSLKYQTRCIRAFPNKQGYVLSIEGRVAVEYLDLP
 SPEVQKKKYAFKCHRLKENNIEQIYPVNAISFHNHHTFATGGSDFVNIWDPFNKRLCQFHRYPTSLIA
 SLAF SNDGTTLAIASSYEMDDTEHPEDGIFIRQVTAETKPKST

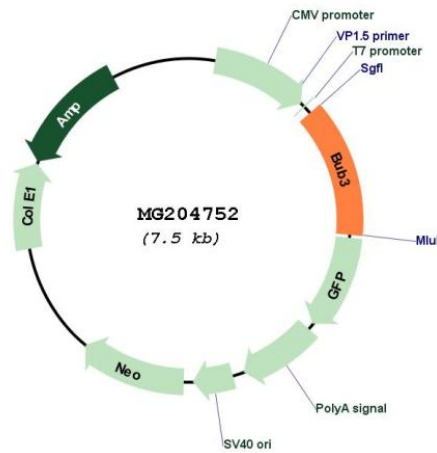
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_009774

ORF Size: 978 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:	<ol style="list-style-type: none">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_009774.2 , NP_033904.2
RefSeq Size:	2056 bp
RefSeq ORF:	981 bp
Locus ID:	12237
UniProt ID:	Q9WVA3
Cytogenetics:	7 74.36 cM
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]