

Product datasheet for **MG210662**

Ube3b (BC034059) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube3b (BC034059) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ube3b
Synonyms:	AI449831; AU020130
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG210662 representing BC034059
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTCGTAATTCATCGTCTTCTGAGAGATAGAGACCGATGCCGCGATGCTTGTGAGAGTTAGAAG
 GCTGCCATACCCTGTGTCTCATGGGCAATCTCCTGCACCTGGGCTCCCTCAGCCTCAGGCTGTTAGAGGA
 AGAGATGGATGGGTTTGTGAGCGCGCTCACGCAGATGCTGTGCTACTGTGAGAACTACGTGGCTCAGAAG
 AAGTCCAACCTGACCCACTGGCACCTGTGCTCGGCTGGTTTTCCCAACCTGTGGATTACGGCTCAATG
 ATTCCATGTACCTGATCACCAGCAGCTGCAGTTCCTGTGGGCGGTGCCTCTCATCCGATTCTCTTCAG
 TGACATCCTGAGCAGGAAGCTGCTGGAGCATGCAGAGCCGGCCCCGGTGAACCCGAGCCGCTCTCACCC
 CAGACGGTGTCCCCGTGAAGAGCCTCCTCAAGCGTGCCTTTAGAAAGTGGCTTCGGTTCGGAACATCC
 TCAGGCCCTGTGGGGCCCGGTGCTGACTCCGCTGAGGTGCGGAAGGTCTGCAACATTTGCGTGTCTA
 CCAGACCTCGCTGACGACCTCACCCAGATCCGCTGCAGATCCTCACAGTCTTACGTACCTGGATGAC
 CTGCTGCCAAGCTCTGGGCGTTTATCTGTGAGCTGGGGCCCCACGGCGGCTCAAGCTCTTCTGGAGT
 GCCTGAACAATGACACTGGAGAGTCCAAGCAGCTCCTGGCCATGCTGATGCTCTTCTGTGACTGTTCCCG
 GCACCTCATCACCATCCTCGATGACATTGAAGTTTATGAAGAACAGATCTCCTTCAAGCTGGAAGAGCTG
 GTCACCATCTCCTCGTTCCTCAATTCCTTCGTGTTAAGATGATCTGGGACGGAATTGTAGAGAATGCCA
 AGGGTGAGACCTTGAGCTGTCCAGTCCGTCATGGCTGGTGTATGGTGTGTATGAGCGAGACTGCCG
 CCGGGCTTTGCTCCGGAGGACCACTGGCTACGGAGGGACCTCAAGCCTGGTGTGCTCTTCCAGGAGCTC
 GACAAGGACCGAAGGAGGGCTCAGCTGGTCTGCAGCACATCCCCACGTCGTGCCTCACAAGAACAGAG
 TTCTTCTGTTCCGGAACATGGTTATCAAGGAGAAAGAGAAGCTGGGGCTTGTGGAGACAGCTCTGGCTC
 TCCTCACGTACCCACATCACCATCCGAAGTCCCGGATGTTGGAGGACGGCTACGAACAGCTCCGGCAG
 CTTTCCAGCATGCCATGAAGGGTGTGATCCGAGTGAAGTTTGTCAACGACCTCGGGGTGGACGAGGCTG
 GGATTGACCAGGATGGTGTCTTCAAGGAGTTTCTGGAAGAGATCATCAAGAGGGTGTGACCCCGCACT
 CAACCTGTTCAAGACAACCAGCGGGGATGAGCGGCTGTACCCATCACCCACGTCCTACATTACAGAGAAT
 TACCTGCAGCTCTTCGAGTTTGTGGGAAGATGCTGGGAAAGGCAGTGTATGAGGGGATCGTGGTAGATG
 TGCCCTTTGCCTCCTTCTCCTGAGCCAGATGCTCGGGCACCACCACAGCGTCTTCTACAGCTCCGTGGA
 TGAGCTTCCCTCCCTGGACTCGGAGTTTATAAAAACCTCACCTCCATCAAGCGCTACGATGGAGACATC
 GCAGACCTCGGGCTGACGCTGTCTACGATGAAGACGTCATGGGTGAGCTCGTCTGCCACGAACTGGTTC
 CCGGAGGGAAGACCATCCCGTTACAGATGAGAACAAAATTAGCTACATCCATCTGATGGCGCATTCCG
 AATGCACACTCAAATTA AAAACAGACAGCTGCTCTTATCAGTGGCTTCCGTTCCATCATCAAGCCCGAG
 TGGATCCGAATGTTCTCTACCCCTGAGCTTCAGCGCTCATCTCCGGGGACAACGCTGAGATAGATCTGG
 AAGACTTAAAGAAGCACACAGTGTACTACGGTGGCTTTTATGGGAGCCACAGGGTTCATCTGGCTCTG
 GGATATCCTGGCTTCGACTTCACGCCTGAAGAAAGAGCCATGTTCTGAAAGTTTGTGACCAGCTGCTCC
 CGGCCCCGCTCCTAGGATTCGCTACCTCAAGCCTCCGTTCTCCATCCGCTGTGTGGAAGTATCAGATG
 ACCAGGACACTGGGGATACCTGGGCAGCGTCTCAGGGGCTTCTCACCATCCGAAGAGGGAGCCAGG
 GGGCGTCTGCCACATCTTCACTTGTCAACCTGCTTAAGCTGCCAACTACAGCAAGAAGAGCGTA
 CTGCGAGAGAACTACGCTATGCCATCAGCATGAACACGGGCTTTGAGCTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

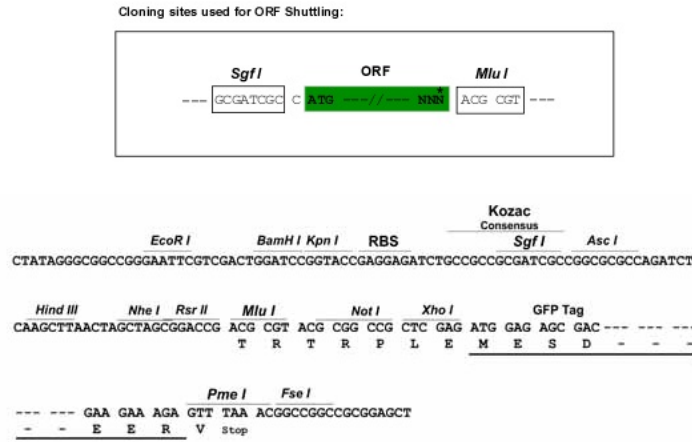
Protein Sequence: >MG210662 representing BC034059
 Red=Cloning site Green=Tags(s)

MLRKFIVFLRDRDRCDACESLEGCHTLCLMGNLLHLGSLSLRLLLEEEMDGFVSALTQMLCYCQKYVAQK
 KSNLTHWHPVLGWFSQPVDYGLNDSMYLITKQLQFLWAVPLIRILFSDILSRKLEHAEPAPVQPSPSP
 QTVLPVKSLLKRAFQKSASVRNILRPVGGRRVDSAEVRKVCNICVLYQTSLTTLTQIRLQILTGLTYLDD
 LLPKLWAFICELGPHGGKLFLECLNNDTGESKQLLAMLMLFCDCSRHLITILDDIEVYEEQISFKLEEL
 VTISSFLNSFVFKMIWDGIVENAKGETLELFQSVHGWLMLYERDCRRRFAPEDHWLRDLKPGVLFQEL
 DKDRRRAQLVLQHIPHVPHKNRVLLFRNMVIKEKEKGLVETSSASPHVTHITIRRSRMLLEDGYEQLRQ
 LSQHAMKGVIRVKFVNDLGVDEAGIDQDGVFKEFLEEIIKRVFDPALNLFKTTSGDERLYPSPTSIIHEN
 YLQLFEFVGKMLGKAVYEGIVVDVPFASFLLSQMLGHHHSVFYSSVDELPSLDSEFYKNLTSIKRYDGI
 ADLGLTSLYDEDVMGQLVCHELVPGGKTIPVTDENKISYIHLMAHFRMHTQIKNQTAALISGFRSIIKPE
 WIRMFSTPELQRLISGDNAEIDLEDLKKHTVYYGGFHGSHRVI IWLWDILASDF TPEERAMFLKFTVSCS
 RPPLLGFAYLKPPFSIRCVEVSDDQDTGDTLGSVLRGFF TIRKREPGRLPTSSTCFNLLKLPNYSKKS
 V
 LREKLRYAISMNTGFELS

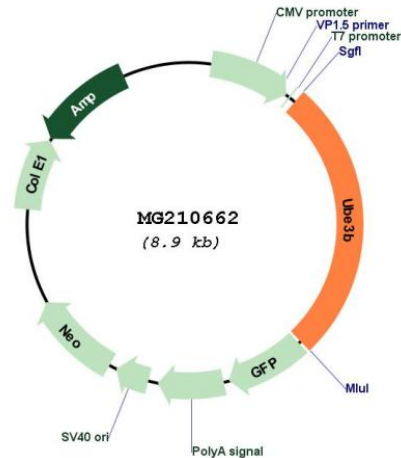
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC034059

ORF Size: 2364 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: [BC034059.1](#)

RefSeq Size: 4206 bp

RefSeq ORF: 2366 bp

Locus ID: 117146

Cytogenetics: 5 F

Gene Summary:

E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. [UniProtKB/Swiss-Prot Function]