

Product datasheet for **MR210662**

Ube3b (BC034059) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube3b (BC034059) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ube3b
Synonyms:	AI449831; AU020130
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR210662 representing BC034059
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTCGTAATTCATCGTCTTCTGAGAGATAGAGACCGATGCCGCGATGCTTGTGAGAGTTAGAAG
 GCTGCCATACCCTGTGTCTCATGGCAATCTCCTGCACCTGGGCTCCCTCAGCCTCAGGCTGTTAGAGGA
 AGAGATGGATGGGTTTGTGAGCGCGCTCACGCAGATGCTGTGCTACTGTGAGAACTACGTGGCTCAGAAG
 AAGTCCAACCTGACCCACTGGCACCTGTGCTCGGCTGGTTTTCCCAACCTGTGGATTACGGCTCAATG
 ATTCCATGTACCTGATCACCAAGCAGCTGCAGTTCCTGTGGGCGGTGCCTCTCATCCGATTCTCTTCAG
 TGACATCCTGAGCAGGAAGCTGCTGGAGCATGCAGAGCCGGCCCCGGTGAACCCGAGCCGCTCTCACCCG
 CAGACGGTGTCCCCGTGAAGAGCCTCCTCAAGCGTGCCTTTAGAAGTCGGCTTCGGTTCGGAACATCC
 TCAGGCCCTGTGGGGCCCGGTGCTGACTCCGCTGAGGTGCGGAAGGTCTGCAACATTTGCGTGTCTA
 CCAGACCTCGCTGACGACCTCACCCAGATCCGCTGCAGATCCTCACAGTCTTACGTACCTGGATGAC
 CTGCTGCCAAGCTCTGGGCGTTTATCTGTGAGCTGGGGCCCCACGGCGGCTCAAGCTCTTCTGGAGT
 GCCTGAACAATGACACTGGAGAGTCCAAGCAGCTCCTGGCCATGCTGATGCTCTTCTGTGACTGTTCCCG
 GCACCTCATACCATCCTCGATGACATTGAAGTTTATGAAGAACAGATCTCCTTCAAGCTGGAAGAGCTG
 GTCACCATCTCCTCGTTCCTCAATTCCTTCGTGTTAAGATGATCTGGGACGGAATTGTAGAGAATGCCA
 AGGGTGAGACCTTGGAGCTGTTCCAGTCCGTCCATGGCTGGTGTATGGTGTGTATGAGCGAGACTGCCG
 CCGGGCTTTGCTCCGGAGGACCACTGGCTACGGAGGGACCTCAAGCCTGGTGTGCTCTTCCAGGAGCTC
 GACAAGGACCGAAGGAGGGCTCAGCTGGTCTGCAGCACATCCCCACGTCGTGCCTCACAAGAACAGAG
 TTCTTCTGTTCCGGAACATGGTTATCAAGGAGAAAGAGAAGCTGGGGCTTGTGGAGACAGCTCTGGCTC
 TCCTCACGTACCCACATCACCATCCGAAGTCCCGGATGTTGGAGGACGGCTACGAACAGCTCCGGCAG
 CTTTCCAGCATGCCATGAAGGGTGTGATCCGAGTGAAGTTTGTCAACGACCTCGGGGTGGACGAGGCTG
 GGATTGACCAGGATGGTGTCTTCAAGGAGTTTCTGGAAGAGATCATCAAGAGGGTGTGACCCCGCACT
 CAACCTGTTAAGACAACCAGCGGGGATGAGCGGCTGTACCCATCACCCACGTCCTACATTACAGAGAAT
 TACCTGCAGCTCTTCGAGTTTGTGGGAAGATGCTGGGAAAGGCAGTGTATGAGGGGATCGTGGTAGATG
 TGCCCTTTGCCTCCTTCTCCTGAGCCAGATGCTCGGGCACCACCACAGCGTCTTCTACAGCTCCGTGGA
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 AATGCACACTCAAATTA AAAACAGACAGCTGCTCTTATCAGTGGCTTCCGTTCCATCATCAAGCCCGAG
 TGGATCCGAATGTTCTTACCCCTGAGCTTCAGCGCTCATCTCCGGGGACAACGCTGAGATAGATCTGG
 AAGACTTAAAGAAGCACACAGTGTACTACGGTGGCTTTTATGGGACCCACAGGGTTCATCTGGCTCTG
 GGATATCCTGGCTTCGACTTCACGCCTGAAGAAAGAGCCATGTTCTGAAAGTTTGTGACCAGCTGCTCC
 CGGCCCCGCTCCTAGGATTCGCTACCTCAAGCCTCCGTTCTCCATCCGCTGTGTGGAAGTATCAGATG
 ACCAGGACACTGGGATACCTGGGCAGCGTCTCAGGGGCTTCTCACCATCCGAAGAGGGAGCCAGG
 GGGCGTCTGCCACATCTTCACTTGTCAACCTGCTTAAGCTGCCAACTACAGCAAGAAGAGCGTA
 CTGCGAGAGAACTACGCTATGCCATCAGCATGAACACGGGCTTTGAGCTCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210662 representing BC034059
 Red=Cloning site Green=Tags(s)

MLRKFIVFLRDRDRCDACESLEGCHTLCLMGNLLHLGSLSLRLLLEEEMDGFVSALTQMLCYCQKYVAQK
 KSNLTHWHPVLGWFSQPVDYGLNDSMYLITKQLQFLWAVPLIRILFSDILSRKLLLEHAEPAPVQPQSSP
 QTVLPVKSLLKRAFQKSASVRNILRPVGGRRVDSAEVRKVCNICVLYQTSLTTLTQIRLQILTGLTYLDD
 LLPKLWAFICELGPHGGKLFLECLNNDTGESKQLLAMLMLFCDCSRHLITILDDIEVYEEQISFKLEEL
 VTISSFLNSFVKMIWDGIVENAKGETLELFQSVHGWLMLVYERDCRRRFAPEDHWLRRDLKPGVLFQEL
 DKDRRRAQLVLQHIPHVPHKNRVLLFRNMVIKEKEKGLVETSSASPHVTHITIRRSRMLLEDGYEQLRQ
 LSQHAMKGVIRVKFVNDLGVDEAGIDQDGVFKEFLEEIIKRVFDPALNLFKTTSGDERLYPSPTSIIHEN
 YLQLFEFVGKMLGKAVYEGIVVDVPFASFFLSQMLGHHHSVFYSSVDELPSLDSEFYKNLTSIKRYDGI
 ADLGLTLYDEDVMGQLVCHELVPGGKIPVTDENKISYIHLMAHFRMHTQIKNQTAALISGFRSIIKPE
 WIRMFSTPELQRLISGDNAEIDLEDLKKHTVYGGFHHGSHRVI IWLWDILASDF TPEERAMFLKVTSCS
 RPPLLGFAYLKPPFSIRCVEVSDDQDTGDTLGSVLRGFFTIRKREPGRLPTSSTCFNLLKLPNYSKKS
 V LREKLRYAISMNTGFELS

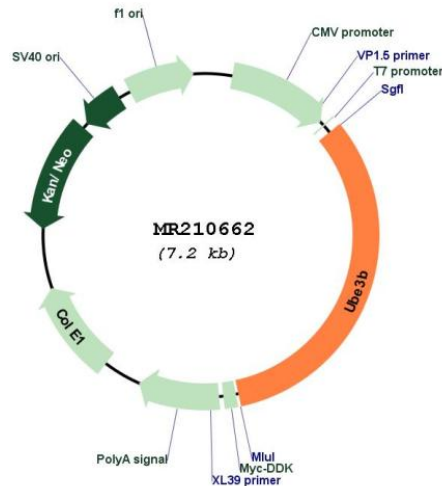
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-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

MW: 154.2 kDa

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]