

## Product datasheet for MC202594

### Ube4b (NM\_022022) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ube4b (NM_022022) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ube4b
Synonyms:	4930551I19Rik; 4933406G05Rik; AU014668; D4Bwg0973e; mKIAA0684; UFD2; UFD2a; Ufd2p
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC075620 sequence for NM\_022022  
 GTTTTGTGAATAATTCTTGGTGGGCGAGGGGTAAGAGTAGGGTTGGAGGGTAGGAGGATTTACGCT  
 TCCAGCGAGGGCTTCGCCAGTCCCGTCCCTCCCTGCCCCACCGGGTTCTCGCGTGGAGCGGGCG  
 AGCCTGGCCTGCTTTTAGAGGGGAGGGGCTTCCCGTCCGGTGGCTGGGCTCTGCCTGGGCTGCTGTAGGG  
 TCGCCGCGCCTCGGGGCATCCAGTGTGCACTGGAGCTGTTCCCGCTGGGCCAGGGGTGGACCCGGA  
 GCAGGGTCTGCGGAAAAAAGCAGCTGCCGCTCACGCCACGAAGACACGGCGCGCAGCGGGCAC  
 GAGCCGAGCTGGAGACCGCGCCGCCCTGGGTAACCTGGAAAGCTGAGGGGAGTCACTGGCGCTGG  
 AGAGGACCCATAGCGGTGGCCGTGGCCAGAGGCGCAGCTCTGGGCGCTTGTGCTGGAGGAGGCTGCG  
 GCGGTGCGAGCGCCGAAGCCAAGGCGATTCACTGCTGTTCTTAGTTTTAACCTCTGACTATGCA  
 ATTCTGAAACCTCCCCATTGGGGGACCAGACAGCCGATAGATACTTCCACTTCTCTTTGCTCCCGC  
 CCTGGTCTCAAGAACTGAAGGATCTCTTAACGCCTTTACCATTAAAGAGAAAGCGATGGAGGAGCTGA  
 GCGCTGACGAGATTCGACGGAGGCGCCTGGCAGCACTTGTGGTGGACAGACCTCCAGCCGACACCCC  
 GCTTACATCTCCCAGAGGGAGAACCCTCCGGGACCTCCAATAGCTGCATCAGCCCCAGGCCCTCCAG  
 AGTCTTGGTCTCAATGTCCACAACATGACCCAGCTACCTCCCCATAGGTGCAGCAGGAGTTGCCCATC  
 GGAGCCAGAGCAGCGAAGGCGTCAGTTCTCAGCAGCTCACCTTCCAACAGCCTTGAGACACAGTCTCA  
 GTCCCTCTCCCGTCCCAGAGCATGGATATTGACGGTGTCTCCTGTGAGAAAAGCATGTCCAGGTGGAT  
 GTGGATTCGGGAATTGAGAATATGGAGGTGGACGAGAACGACCGAAGAGAAAAACGGAGCCTGAGTGACA  
 AGGAGCCTTCTCAGGTCTGAGGTGTCTGAAGAGCAAGCCTTACAGCTGGTCTGTAAGATCTTCCGTGT  
 CTCTGGAAGGACCGCGACAGAGATGTCATCTTCTTTCTCTCTCTGCGCAGTTAAACAGAAACCCA  
 AAAGAAGTGTCTCTGATTTTAAGGATCTGATTGGCCAGATTTAATGGAAGTACTGATGATGTAACCTC  
 AGACACGAGATGAAAATCCATTTGCCAGTCTGACAGCCACATCCCAGCCATCGCCACGGCAGCTCGGT  
 ACCAGACCGCAATCTCATGCTGAACACTGGCTCCAGTTACAGGAACAAGCCCCATGTTCTGCAACATGGG  
 TCCTTCAGCACCAGCTCGTTGTCTAGTTTGGGAGCCTCTGGTGGAGCAAGTAACTGGGATTCGTACAGT  
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 TGGAAATAGAGGAAAAAAGCACCAAAGATGTGCAGCCAGCCAGCAGTCAAGCAGCTTCTGAGCAACATC  
 CGCTCGCAGTGCATCTCCACACCGCACTAGTGTACAAGTTCCCTCACACAGCCAGGTCCTTGAAC  
 AGCCATCTTCTCGTCCGTACATGCTCTGCAGGAACCTCCCGTACGGTTCATTCAAGAGCTGGTGAG



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GACCACTCACCAGGATGAAGAGGTGTTCAAGCAGATCTTTATCCCCATTTTACAAGGCCTGGCGCTGGCT  
 GCCAAAGAGTGCTCCTTGAAAGCGACTACTTTAAGTACCCCTCATGGCACTGGGTGAAGTCTGTGAAA  
 CCAAGTTTGGGAAGACACCCTATGTGCAATTTGGTCGTTCTTTACCCTGTGGTTGCCGAAGTCCTT  
 AAGCCCTGGTCTGGGCGGGAGCTGCAGAGACTCTCTACTTAGGGGCCTCTTTAGCTTCTCAGTCTTC  
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 GAAATGCTGAAGCGCTGTAAAACCTCAGCTTAAGAACTGGTACGGTGCAAGGCCTGTGCTGACGCTGGCT  
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 CCTGGACCCTGCATATCCTGACGTAACACTGCCTTTGAATTCAGAAGTCCCAAGGTATTTGCAGCATTG  
 CCTGAGTTTTATGTCGAAGATGTTGCTGAATTTTTATTTTTATTGTACAATACTCTCCTCAGGTGCTTT  
 ATGAGCCCTGCACTCAGGACATTGTGATGTTTCTCGTTGTGATGCTGTGCAACCAGAAGTACATCCGAAA  
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 AAGTTCTTTGAGATGATTGAGAACCATCCTCTCTACCAAAGTCTGGTGCCGTCCTCATGAAGTTCT  
 ATACAGATGTCGAGCATACTGGAGCCACCAGCGAGTCTATGACAAGTTCACAATTCGCTATCACATTAG  
 CACTATTTTTAAAAGCCTTTGGCAAAACATAGCTCACCATGGCACCTTTCATGGAGGAGTTCAATTTGGA  
 AAGCAGTTCGTTTCGATATCAATATGCTAATAAATGACACGACCTTTTTACTGGAGAAAGTCTGGAGT  
 CTCTGAAGCGGATCCATGAAGTGAAGAAGAGATGAAGAACAAGAACAGTGGGACCAGCTGCCTCGGGA  
 TCAGCAGCAGGCCCGGCAGTCTCAGCTTCTCAGGACGAGCGTGTTCCTGTTCTTATCTTGCCCTGGCA  
 ACTGAAACCGTGGACATGTTCCATCTCCTCACCAAGCAAGTCCAGAAGCCGTTCTGAGGCCAGAGCTTG  
 GTCCCGATTAGCAGCCATGCTGAACCTTAACTGCAGCAGCTCTGCGGACCCAAGTGGCCGGACCTGAA  
 AGTTGAAAACCCAGAGAAGTATGGTTTTGAGCCAAAGAAGCTGTTGGACCAACTGACAGATATTTATTTA  
 CAATTGGACTGTGCTCGCTTTGCTAAAGCCATCGCCGATGACCAGCGATCCTACAGCAAGGAACTGTTTG  
 AAGAAGTCATTTCAAAGATGCGGAAGGCGGGAATCAAATCCACCATCGCAATAGAGAAGTTAAACTTCT  
 TGCAGAGAAAGTGGAGGAAATCGTGGCAAGAATGCGCGGGCAGAAATAGACTACAGCGATGCCCGGAC  
 GAGTTACAGAGACCCTCTGATGGACACCCTGATGACCGATCCCGTGAGACTGCCCTCTGGCACCGTATGG  
 ACCGTTCTATCATCCTGCGGCATCTGCTCAACTCCCCACCGACCCTTCAACCGCCAGATGCTGACTGA  
 GAGCATGCTGGAGCCAGTGCAGAGCTAAAGGAGCAGATTGAGGCTGGATGAGAGAGAAACAGAGCAGT  
 GACCACTGAGGCCCATCGCTCCTCCGCTGGAAGCCGCCACGCCAGCCAGGCCAGGCCGAGCAGCATCTG  
 CCTCGAGGCTGCAGCTCCAGCCTGTAACCAGATGTGGCCAGATCCTGAGAGCCACCCGTGTGACCAAC  
 AGTGGAGATCTGAGGGGATGACGAGAAGAGGATCCTGTACATATATTTAAGTGACAACAGTCAAAGCTT  
 GAGGGACGAGTTTACGATGGCTTGTGTAGTAAAGCGCACCTTCCCTGAGCTTACGTTTTGTTTTGTTTT  
 TCGAAGTGTGAATAGAGAAGTGGGCTGGGCGAGCTTCCCTGAGCTTACGTTTTGTTTTGTTTTGTTTT  
 TCGATGTGAATAGAGAAGTGGGCTGGGCGAGCTTCCCTGAGCTTACGTTTTGTTTTGTTTTGTTTTGTTTT  
 CTGTGGGTTTTTTAAAGAGAAACAGAACCAGACTCCTTTCCCGGCCCTCAAACATGTATTCTGTGCGAT  
 AACTTGTGCTGCGACAAGTGTAAATCTTGGGATCGTATTTTTATATCATATTACATACTTGTTTTTTT  
 AATTGGTGTAGATGACATGATTAATAAAAAAGGCAAGATATTTTCAGAAATTTGAATTTTCAAGTTTTTTT  
 TCTTTTGAATAGCCCTTTTAAATTTTTTTATTATAAACAAAATGAAGAGAACCCTGTGAGCCTGGTCTC  
 TCTAGCAACCCTCAGTTAAGATCCTGAGGGACAGGTGCAGCAGCAGCTGGCTGGAGTGGATCAGGACTCC  
 TGTGACTCGTGGGCTCGGGGAGGTGAGGGGTGTGTTTGGTTTTTTGTTGTTTTGTTGTTTTGTTTTAA  
 TCCTATGTGACAATCCAACATATGCGGTTACCCTCTGAGGATAAGTTCTCAGCCCGGGTCTTTTTATA  
 TGCTGTGCTTTTTGGGTTTGACCTTACCAAAGCAAAGAAACAAAAAACAAAAAACAAAAAACAAAAA  
 AGGGTGAAGAAATGTGGAATCTGTCTGCTTGTTTACATGGCCCGACAACACCCTAGGCCACGCGGA  
 GCAGAAGCCCTCTCTGATTACCCTCCCTACGCAACATACTTGAATTTCTTGAAGTCCCTTTGGGGTGG  
 AAAGGATTTGAAACCATAAAGTGTTTTAAAGAAATGAACTCTTCAGAAACAGACTTCTCCTCTTTTCT  
 TTCTCCTGCTCCACAGCCTGTGCTGTTTCAAGTCCCAACACAATCGACAATAAACGGTGTGCCCAT

TCGGAAGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:**

Ascl-NotI

**ACCN:**

NM\_022022

**Insert Size:**

3522 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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:**

[BC075620](#), [AAH75620](#)

**RefSeq Size:**

5496 bp

**RefSeq ORF:**

3522 bp

**Locus ID:**

63958

**UniProt ID:**

[Q9ES00](#)

**Cytogenetics:**

4 79.08 cM

**Gene Summary:**

Ubiquitin-protein ligase that probably functions as an E3 ligase in conjunction with specific E1 and E2 ligases (PubMed:11435423). May also function as an E4 ligase mediating the assembly of polyubiquitin chains on substrates ubiquitinated by another E3 ubiquitin ligase (By similarity). May regulate myosin assembly in striated muscles together with STUB1 and VCP/p97 by targeting myosin chaperone UNC45B for proteasomal degradation (By similarity). [UniProtKB/Swiss-Prot Function]