

## Product datasheet for MC223487

### Ube3c (NM\_133907) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ube3c (NM\_133907) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ube3c  
**Synonyms:** AI853514; mKIAA0010  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223487 representing NM\_133907  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTTTCAGCTTCGAAGGCGACTTCAAGACAAGGCCAAAGTGTCTCTCGGTGGCGGAGCAGGAAGGAAG  
 AAAAGGCTTCTCTTTACATCGCACTCAGGAAGAAAGACGCAAGAGAGAGGAAGAAAGGCGAAGATTGAA  
 AAATGCAGTAATAATCCAATCTTTATCCGAGGCTATAGAGACAGAAAACAACAATACTTCATCCAAAGA  
 AGCGCGTTTGACCAATGCACTGACTCGGCTCAGCCTGGTGGTACCTTCTGCCTTGCTGATGGTCCCAACC  
 TTACCCTCTTGTTAAGGAGCTTCTGTTCTTTACAAGCAGAGTGAAGACTCCAAACGTTTGATATGGCT  
 TTATCAGAACTTAATTAACACAGCTCTCTGTTGTCAAGCAATTGGATGGATCAGAGAGACTGACATGC  
 TTATTTCAAATAAAGAGGTTGATGAGCCTCTGTTGAGGTTGCTGCAAACTGTAGTGATGACAGCTGA  
 ATGTTGCACTTCCAATGCGAATGCTTGAGGTGTTACATCTGAGAATACATACTTGCTGTTTTACAAGA  
 TTCTAGCTATGTGGTGTGAGTGAACAAATTTGCACTACATGGTTCACAGTGGATATTATAGATCT  
 CTCTACTTGTGATTAATAGCAAGCTCCATCAAGTATTGAATATTCTGATTTATCTCGAGTTCCTATAG  
 CAAAAATTTTCTGAGGAAATGCTCAAAACCATTGCACTTACGTATAGCTCCTGCTGAAGCCTCAAG  
 GCATCAAGTTTTCTCAGCCTTACAGAGGAGTTTCTGGGAGCACCTTTTACCGATCAAATTTTTTCATTT  
 GTCATTCCGGCCTTTGCAGATGCACAACTGTGTTCCCTTATGAGCCCTTTCTCAATGCATTGTTGTTAC  
 TTGAGAGTCAAAGTTCAAACGGTGTAGTGGAGTCCATGGCTCTTCTATTTTGTGTTAACTGTTGGCGA  
 GAATTTAGGAGCACTCTCTGAGGATGGTCTACTGGTTTATCTGCGAGTGCTCAGACCTTCTCTCT  
 CAGCTACCTGCTCACCCACTGGTACAGGCTGCTGATTCCACCAGTACTCTGAGGACGATAACGAGG  
 AGACTGACCAACCAACAGCCCTGAGGATGGCAGGGTGTGAGCCCATATATTACTGAAGAGTGTCTGAG  
 AAACTGGATACGAAGCAGCAAACCAACCCCTGCTGAACCTGGTGTGGAGGACTCGGCCAGTGGAGG  
 GTCTTACAAGGATGGCTTCTATCTGCCACACATTGATGGTGCAGCACCGAATGATGGTGCCAAAGTCA  
 GGCTTCTACAGTTTAGCCTTCAATGCCAGGTTTTGAGGCATCTTTGGTTTCTCATCTTTCAATGAC  
 AACACAGATGATCAGGATCTATGGTGCCATTGCTTCAGTTGATATCGCGGGTTCGCCATGTCTTTT  
 GAAGATTCTAGTCGAATCATCCACTCTTTTACCTCTTCAGCTCCTTGTTCAGTCATTGCTGATCTCCA



TACATGACAATGAATTTTTGGTGACCCCATAGAAGTTGTAGGTCAGAGACAATCATCCATGATGCCTTT  
 CACTCTGGAGGAGTTAATCCTGCTGTCACGATGCCTTCGAGATGCCTGCTTGGGGATCATCAAGCTAGCA  
 TACCCGAAACAAAGCCAGAAGTTCCGGGAAGAATATGTCACCGCATTTCAGAGTATTGGGGTCACTACTA  
 ATTCTGAGATGCAGCAGTGCATACAAATGGAACAGAAGCGATGGGTTTCAGCTGTTCAAGGTTATCACCAA  
 CCTAGTGAAAAATGCTGAAGTCTAGAGACACGAGGAGAAATTTCTGCTCCAAACCACTGGCTGTCAGAA  
 CAAGAGGATATCAAAGCAGATAAAGTTACCCAGCTCTATGTACCTGCATCTAGACATGTGTGGCGATTCC  
 GGAGGATGGGCAGGATTGGCCACTGCAGTCCACCCTGGAGGTGGTCTGGAGTCCCTTACCCTGTCTGT  
 GTCTGAGGAACGACAGCTTGCCATCCTGACAGAAGTGCCTTTTGTGGTTCATTTGAGGAGCGAGTGAAG  
 ATCTTTCAAAGGTTGATTTATGCTGATAAGCAAGAAGTTCAAGGCGATGGTCCATTTCTGGATGGAATCA  
 ATGTTACTATAAGGAGAAATTATTTTATGAAGATGCTTATGACAACTTTCTCCAGAAAATGAGCCTGA  
 TTTGAAAAACGGATCCGGGTGCACTTGTCAATGCCATGGCCTGGATGAAGCTGGCATCGATGGTGGT  
 GGTATTTTCAGAGAGTTTTTAAATGAAGTACTGAAATCTGGATTTAACCCCAACCAAGGGCTTCTTTAAGA  
 CTACTAATGAAGGGCTTCTATACCCCAACCCAGCTGCTCAGATGCTTGTGGGAGATTCTTTGCAAGGCA  
 TTAGTACTTCTAGGCAGAATGCTTGAAAGGCTCTGTATGAAAACATGTTGGTGGAGCTACCCTTTGCT  
 GGCTTTTTCTGTCCAAGCTACTGGGAACCAAGTGCAGATGTGGACATTCACCATCTGCCTCATTGGACC  
 CCGAAGTCTACAGGAACCTGCTTTTCTCAAGAGCTATGAGGAGGATGTGGAGGAACTGGGACTGAACTT  
 TACTGTGGTGAACAATGACCTGGGAGAAGCCAGGTGGTTGAACTAAAATTTGGTGGAAAAGACATCCCG  
 GTAAGTGGGGCAACCGAATTGCCTACATCCACCTGGTGGCTGACTACCGGCTGAACAAGCAGATCCGAC  
 CGCATTGCCTAGCTTTCCGCCAGGGCTGGCCAATGTTGTGAGCCTAGAGTGGCTCCGAATGTTTGACCA  
 ACAGGAAATTCAGGTATTAATTTCTGGTGCACAAGTTCCTGTAAGTCTGGAGGACCTAAAATCCTTTACA  
 AACTATTCAGGGGGCTATTCTGCCGATCATCTGTCAATAAAATCTTTTGGAGAGTTGTAGAAGGTTTCA  
 CTGACGAAGAAAAGCGCAAGTTGCTCAAGTTTGTAAACAAGTTGCTCTCGCCCCCTCTCCTGGGTTTCAA  
 GGAGCTATACCCTGCGTTTTGCATTACAATGGAGGCTCTGACCTTGAGCGGCTACCTACAGCCAGCACC  
 TGCATGAACCTGCTGAAGCTCCAGAGTTTTATGATGAAGCCCTGCTGCCAAGCAAGCTGCTGTATGCCA  
 TTGAGTGTGCTGCTGGCTTTGAGCTGAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_133907
- Insert Size:** 3252 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:** [NM\\_133907.3](#), [NP\\_598668.1](#)

RefSeq Size: 5033 bp

RefSeq ORF: 3252 bp

Locus ID: 100763

UniProt ID: [Q80U95](#)

Cytogenetics: 5 B1

**Gene Summary:** E3 ubiquitin-protein ligase that accepts ubiquitin from the E2 ubiquitin-conjugating enzyme UBE2D1 in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Can assemble unanchored poly-ubiquitin chains in either 'Lys-29'- or 'Lys-48'-linked polyubiquitin chains. Has preference for 'Lys-48' linkages. It can target itself for ubiquitination in vitro and may promote its own degradation in vivo.[UniProtKB/Swiss-Prot Function]