

Product datasheet for **MC225951**

Ube2m (NM_001243968) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube2m (NM_001243968) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ube2m
Synonyms: 2510040H03Rik; Ubc-rs2; UBC12
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225951 representing NM_001243968
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGGCCCTGATATTTGACATTAACGAGCTGAACCTGCCAAGACGTGTGACATCAGCTTCTCAGACC
CAGACGACCTCCTCAACTCAAGCTGGTGTCTGCTGATGAAGGCTTCTACAAAAGTGGAAGTTTGT
ATTCAGCTTTAAGGTGGACAGGTTACCCACATGACCCTCCCAAGGTGAAGTGTGAAACAATGGTTTAT
CATCCCAACATTGACCTCGAGGGCAACGTCTGCCTCAACATCCTCAGAGAGGACTGGAAGCCAGTCCTTA
CGATAAACTCCATAATTTATGGCCTGCAGTATCTCTTCTTGGAGCCGAACCCTGAGGACCCACTGAACAA
GGAGGCTGCTGAGGTCTGCAGAACACCGCGGCTGTTTGAACAAAATGTGCAGCGCTCCATGAGAGGT
GGTTACATCGGGTCCACCTACTTCGAGCGCTGCCTGAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001243968
Insert Size: 462 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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001243968.1</u> , <u>NP_001230897.1</u>
RefSeq Size:	1010 bp
RefSeq ORF:	462 bp
Locus ID:	22192
Cytogenetics:	7 7.73 cM
Gene Summary:	<p>Accepts the ubiquitin-like protein NEDD8 from the UBA3-NAE1 E1 complex and catalyzes its covalent attachment to other proteins. The specific interaction with the E3 ubiquitin ligase RBX1, but not RBX2, suggests that the RBX1-UBE2M complex neddylates specific target proteins, such as CUL1, CUL2, CUL3 and CUL4. Involved in cell proliferation (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) is shorter and has a distinct N-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>