

## Product datasheet for **MC209611**

### Ube2i (NM\_001177610) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ube2i (NM\_001177610) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ube2i  
**Synonyms:** 5830467E05Rik; F830028O17Rik; UBC9; Ubce2i; Ubce9  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209611 representing NM\_001177610  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCGGGGATCGCCCTCAGCCGCCTTGCAGGAAAGGAAAGCCTGGAGGAAGGACCACCCCTTTGGCT  
TTGTAGCTGTCCCAACAAGAACCCTGATGGCACAATGAACCTGATGAACCTGGGAGTGCCTATCCCTGG  
AAAGAAGGGGACTCCATGGGAAGGAGGCTTGTTCAAGCTACGGATGCTTTTCAAAGATGACTATCCGTCC  
TACCACCAAAATGTAAATTTGAGCCCCACTGTTTCATCAAACGTGTATCCTTCTGGCACAGTGTGCC  
TGTCATCCTGGAGGAAGACAAGGACTGGAGGCCAGCTATCACCATCAAACAGATCTTATTAGGAATACA  
AGAACTTCTAAATGAACCAATATTCAAGACCCAGCTCAAGCAGAGGCCCTACACAATTTACTGCCAAAAC  
AGAGTGGAAATGAGAAAAGGTCCGAGCACAAGCGAAGAAGTTTGCCCCCTCA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001177610  
**Insert Size:** 477 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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|                               |   |
|-------------------------------|---|
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>   |
| <b>RefSeq:</b>                | <u><a href="#">NM_001177610.1</a></u> , <u><a href="#">NP_001171081.1</a></u>   |
| <b>RefSeq Size:</b>           | 2516 bp   |
| <b>RefSeq ORF:</b>            | 477 bp  |
| <b>Locus ID:</b>              | 22196   |
| <b>UniProt ID:</b>            | <u><a href="#">P63280</a></u>   |
| <b>Cytogenetics:</b>          | 17 A3.3   |
| <b>Gene Summary:</b>          | <p>Accepts the ubiquitin-like proteins SUMO1, SUMO2 and SUMO3 from the UBLE1A-UBLE1B E1 complex and catalyzes their covalent attachment to other proteins with the help of an E3 ligase such as RANBP2, CBX4 and ZNF451. Can catalyze the formation of poly-SUMO chains. Essential for nuclear architecture, chromosome segregation and embryonic viability. Necessary for sumoylation of FOXL2 and KAT5 (By similarity). Sumoylates p53/TP53 at 'Lys-386'. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 2. Variants 1-4 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |