

Product datasheet for **MC206861**

Ube2i (BC037635) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube2i (BC037635) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ube2i
Synonyms:	Mmubc9, UBC9, 5830467E05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206861 representing BC037635. Blue=ORF Red=Cloning site Green=Tag(s)

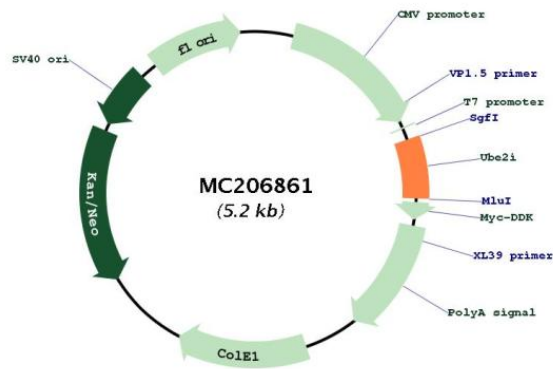
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GTCGTTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCGGGGATCGCCCTCAGCCGCTTGCGCAGGAAAGGAAAGCCTGGAGGAAGGACCACCTTTTGGC
TTTGTAGCTGTCCCAACAAGAACCCTGATGGCACAATGAACCTGATGAAGTGGGAGTGCCTATCCCT
GGAAAGAAGGGGACTCCATGGGAAGGAGGCTTGTTCAGCTACGGATGCTTTTCAAAGATGACTATCCG
TCCTCACCACAAAATGTAAGTTGTCAAAGAGCCTGCAGTCCACTTCCCAGCACTACCACCACCTTT
GGGAGCCATGTCTGTGAGTGCTTGCCTAG
ACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:



ACCN: BC037635

Insert Size: 306 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: [BC037635](#)

RefSeq Size: 2252 bp

RefSeq ORF: 305 bp

Locus ID: 22196

Cytogenetics: 17 A3.3

MW: 11.2 kDa

Gene Summary: 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]