

## Product datasheet for **MG222623**

### Ube2i (NM\_011665) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ube2i (NM\_011665) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ube2i  
**Synonyms:** 5830467E05Rik; F830028O17Rik; UBC9; Ubce2i; Ubce9  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG222623 representing NM\_011665  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCGGGGATCGCCCTCAGCCGCTTGCAGGAAAGGAAAGCCTGGAGGAAGGACCACCTTTGGCT  
 TTGTAGCTGTCCCAACAAAGAACCCTGATGGCACAATGAACCTGATGAACGGGAGTGGCTATCCCTGG  
 AAAGAAGGGGACTCCATGGGAAGGAGGCTTGTTCAGCTACGGATGCTTTCAAAGATGACTATCCGTCC  
 TCACCACCAAAATGTAATTTGAGCCCCACTGTTTCATCAAACGTGTATCCTTCTGGCACAGTGTGCC  
 TGTCATCCTGGAGGAAGACAAGGACTGGAGGCCAGCTATCACCATCAAACAGATCTTATTAGGAATACA  
 AGAACTTCTAAATGAACCAATATTCAAGACCCAGCTCAAGCAGAGGCCTACACAATTTACTGCCAAAAC  
 AGAGTGAATATGAGAAAAGGTCGAGCACAAGCGAAGAAGTTGCCCCCTCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG222623 representing NM\_011665  
 Red=Cloning site Green=Tags(s)

MSGIALSRLAQRKAWRKDHPFGFVAVPTKNPDGTMNLMNWECAIPGKKGTPWEGGLFKLRMLFKDDYPS  
 SPPKCKFEPPLFHPNVYPSGTVCLSIILEEDKDWRAITIKQILLGIQELLNEPNIQDPAQAEAYTIYQCN  
 RVEYEKRVRAQAKKFAPS

**TR**TRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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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>NM_011665.4, NP_035795.1</u>
<b>RefSeq Size:</b>	2554 bp
<b>RefSeq ORF:</b>	477 bp
<b>Locus ID:</b>	22196
<b>UniProt ID:</b>	<u>P63280</u>
<b>Cytogenetics:</b>	17 A3.3
<b>Gene Summary:</b>	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]