

## Product datasheet for **MG220265**

### Ube2h (NM\_001169577) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ube2h (NM\_001169577) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ube2h  
**Synonyms:** 1500009C23Rik; AI181839; AI326965; AI462483; AW227540; E2-20K; Gid3; N28148; Ubc8  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG220265 representing NM\_001169577  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAATAAAATTTCCATCCCAACATTGATGAAGCGTCAGGAAGTGTGTCTAGATGTAATTAATCAAA  
 CTTGGACAGCTCTCTATGATCTTACCAATATATTTGAGTCCTTCCCTGCCCCAGTTGCTGGCCTATCCTAA  
 CCCATAGATCCTCTCAATGGTGACGCTGCAGCCATGTACCTCCACCGACCAGAAGGTACAAGCAGAAA  
 ATTAAGAGGTACATCCAGAAGTACGCAACGGAAGAGGCCCTGAAGGAACAGGAAGAGGGCCACTGGCGACA  
 GCTCATCGGAGAGTTCTATGTCTGACTTCTCAGAAGATGAGGCCAGGACATGGAGTTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG220265 representing NM\_001169577  
 Red=Cloning site Green=Tags(s)  
 MNKIFHPNIDEASGTVCLDVINQWTAL YDLTNIFESFLPQLLAYPNPIDPLNGDAAAMYLRHPEEYKQK  
 IKEYIQYATEEALKEQEEGTGDSSSESSMSDFSEDEAQDMEL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001169577.1</a></u> , <u><a href="#">NP_001163048.1</a></u>
<b>RefSeq Size:</b>	4140 bp
<b>RefSeq ORF:</b>	342 bp
<b>Locus ID:</b>	22214
<b>Cytogenetics:</b>	6 12.52 cM
<b>Gene Summary:</b>	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. E2 ubiquitin conjugating enzyme that transfers ubiquitin to MAEA, a core component of the CTLH E3 ubiquitin-protein ligase complex. In vitro catalyzes 'Lys-11'- and 'Lys-48'-linked polyubiquitination. Capable, in vitro, to ubiquitinate histone H2A. [UniProtKB/Swiss-Prot Function]