

## Product datasheet for **MG217470**

### Ube2z (NM\_172300) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ube2z (NM\_172300) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ube2z  
**Synonyms:** AW049199; C030047H17Rik; D11Moh35  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG217470 representing NM\_172300  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGAGAGTCCGACTGAGGAGGCGGCGACGGCGACGGCTGGCGCCGGGGCGGCGGGCCAGGGTCGA  
 GTGGTGTTCGGGTGTGGTTCGGGTTAGCGGGAGCGGCGGGTTCGGGCGCCTTTCTGCCGGATGT  
 GTGGGCGGCGGCGGCGGCGGGCGGGGACCGGGGAGCGGCTGGCTCCGCTGCCAGGACTC  
 CCGCCCTCGGCCGCTGCCACGGGGCCGCGCTGCTTAGCCATTGGGACCCACGCTCAGCTCGGACTGG  
 ACGGCGAGCGAACCGCGCCACAGTGTCTACTTCGGATTAAGCGGGATATCATGTCCATTTATAAGGAGCC  
 TCCTCCAGGAATGTTGTTGTGCCGACACTGTTGACATGACTAAGATTCATGCTTTGATCACAGGCCCA  
 TTTGACACTCCTTATGAAGGGGTTTCTTCTGTTGCTTTCGGTGTCCACCTGACTATCCCATCCACC  
 CACCTCGGGTCAAAGTATGACAACGGGCAATAACACAGTGAGGTTTAACCCCAACTTCTACCGCAATGG  
 GAAAGTCTGCTTGAGTATTCTAGGTACGTGGACTGGCCCTGCCTGGAGCCAGCCAGAGCATCTCTTCT  
 GTGCTTATCTCCATCCAGTCCCTGATGACTGAGAATCCCTACCACAACGAACAGGCTTTGAACAGGAAA  
 GACATCCAGGAGACAGCAAAAATAATGAATGTATCCGGCACGAGACCATCAGGGTTGCACTGTGA  
 CATGATGGAGGGCAAGTGCCCTGCCCTGAACCCTACGGGGAGTGATGGAGAAGTCCTTCTGGAGTAT  
 TATGACTTCTATGAGGTGGCCTGCAAAGATCGCCTGCATCTTCAAGGCCAAACTATCGAGGCCCTTTTG  
 GAGAGAAGCGGGCCACTTTGACTACCAGTCCCTTTGATGCGCCTCGGACTGATTCGACAGAAAAGTGCT  
 GGAAAGGCTCCATAATGAAAATGCTGAAATGGACTCTGATAGCAGCTCCTCTGGGACAGAGACAGACCTT  
 CATGGGAGCTGAGGGTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG217470 representing NM\_172300  
 Red=Cloning site Green=Tags(s)

MAESPTEEAATATAGAGAAGPGSSGVAGVVGVS GSGGGF GPPFLPDVWAAAAAGGAGGPGSGLAPLPGL  
 PPSAAAHAALLSHWDPTLSSDWDGERTAPQCLLR IKRDIMSIYKEPPP GMFVVPD TVDMTKIHALITGP  
 FDTPEYEGGFFLVFRCPDPYIHP PRVKLMTTGNNTVRFNPNFYRNGKVCL SILGTWTGP AWSPAQSISS  
 VLIISIQLMTENPYHNEPGFEQERHPGDSK NYNECIRHETIRVAVCDMMEGKCPCEPLRGVMEKSFLEY  
 YDFYEVACKDRLHLQGQTMQDPFGEKRGHFDYQ SLLMRLGLIRQKVLERLHNENAEMDS DSSSSGTETDL  
 HGSLRV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_172300

**ORF Size:** 1068 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [NM\\_172300.3](#), [NP\\_758504.3](#)

**RefSeq Size:** 3974 bp

**RefSeq ORF:** 1071 bp

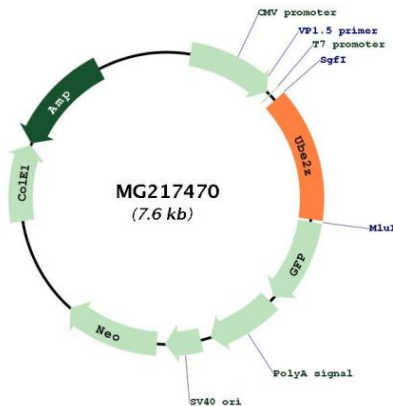
**Locus ID:** 268470

**UniProt ID:** [Q3UE37](#)

**Cytogenetics:** 11 59.28 cM

**Gene Summary:** Catalyzes the covalent attachment of ubiquitin to other proteins. Specific substrate for UBA6, not charged with ubiquitin by UBE1. May be involved in apoptosis regulation. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG217470