

## Product datasheet for **MG219016**

### Ube2q1 (NM\_027315) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ube2q1 (NM\_027315) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ube2q1  
**Synonyms:** 1110002C01Rik; 2310012M18Rik; AI854014; Gtap; NICE-5; PRO3094; Ube2q  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG219016 representing NM\_027315  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAGCAGCCGAGCCGAGGGGAGCAGCAGCCGGGGCCGGGGCAGCAACTGGGGTCCAGGGGGCGG  
 CGCCGGGGCCGGGGCGGCCCGGGAGGGGGCCGGGGCCAGGGCCCTGCCTGAGCGGGAGCTGAAGCT  
 GCTCGAGTCCATCTTCCACCGCGCCACGAGCGCTTCCGCATTGCCAGCGCTGCCTGGACGAGCTGAGC  
 TGGCAGTTCCTGTGGCCGGAGCCGAGGGGGCCGGGGCCGGGGTGCGCCGGACCCCATCTCCCCTCC  
 GGGGATCGGTGCCGGGGACCCGTCGTCATCCACTGCAACATCACGGAATCATACCTGCTGTGCCCC  
 CATCTGGTCGGTGGAGTCCGATGACCCTAATTGGCTGCTGTCTTGGAGAGGCTGGTGGACATAAAGAAA  
 GGAATACTTTGCTCTTGACGATCTGAAGAGGATCATCTCTGACCTGTGTAAACTCTAACCTCCCTC  
 AGCATCTGATGTGAAATGCTGGATCAGCCCTTGCCAGCAGAGCAGTGCACGCAGGAAGAAGTGTCTTC  
 AGAAGATGAAGATGAAGAGATGCCTGAGGATACAGAAGACCTAGATCACTATGAAATGAAAGAGGAAGAG  
 CCAGCCGAGGGCAAGAAGTCTGAAGATGATGGCATCGGAAAAGAGAACCTGGCCATCCTAGAGAAAATTA  
 AAAAGAACCAGAGGCAAGATTACTTAAATGGTGCAGTGTCTGGCTCGGTGCAGGCCACTGACCGGCTGAT  
 GAAGGAGCTCAGGGATATATACCGATCACAGAGTTTCAAAGGCGGAAACTATGCAGTCAACTCGTGAAT  
 GACAGTCTATGACTGGAATGTCAAACCTCCTCAAAGTTGACCAGGATAGCGCTTTGCACAATGATCTTC  
 AGATCCTGAAGGAGAAGGAAGGAGCAGACTTCATCCTACTTAACCTTCTCCTTTAAAGATAAATCCCTT  
 TGACCCACCGTTCGTGAGGTTGTGTCTCCAGTCTCTGAGGGTATGTTCTGGTGGAGGTGCCATC  
 TGCATGGAACCTTCTACCAAGCAGGGCTGGAGCAGTGCCTACTCCATAGAGTCCGTGATCATGCAGATCA  
 GCGCCACGCTGGTGAAGGGGAAAGCAGGGTGCAGTTTGGAGCCAACAAATCTCAGTATAGCCTGACGAG  
 AGCACAGCAGTCTACAAGTCTTGGTGCAGATCCATGAAAAAACGGCTGGTACACACCCCAAGGAA  
 GATGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG219016 representing NM\_027315  
Red=Cloning site Green=Tags(s)

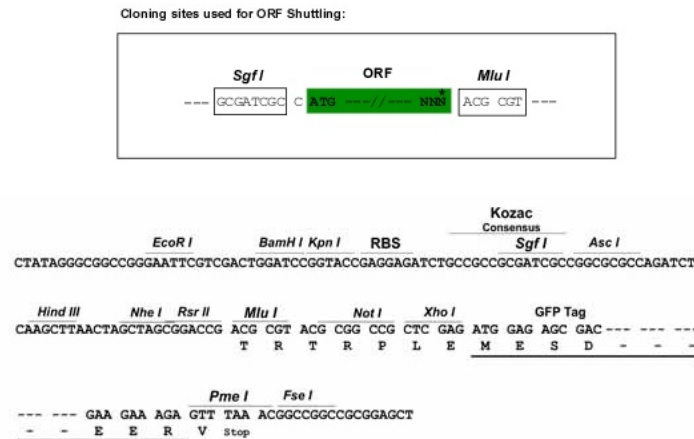
MQQPQPQGGQPGPGQQLGVQGAAPGAGGGPGGGPGPGPCLRRELKLLLESIFHRGHERFRIASACLDLDEL  
 CEFLLAGAGGAGAGAAPGPHLPSRGSVPGDPVRIHCNITESYPAVPPIWSVESDDPNLA AVLRLVDIKK  
 GNTLLLQHLKRIISDLCKLYNLPQHPDVEMLDQPLPAEQCTQEEVSSSEDEDEMPEDTEDLDHYEMKEEE  
 PAEGKKS EDDGIGKENLAILEKIKKNQRQDYLNQAVSGSVQATDRMLKELRDIYRSQSFKGGNYAVELVN  
 DSLYDWNVKKLLKVDQDSALHNDLQILKEKEGADFILLNFSFKDNFPFPDPFVVRVSPVLSSGGYVLGGGAI  
 CMELLTKQGWSSAYSIESVIMQISATLVK GKARVQFGANKSQYSLTRAQQSYKSLVQIHEKNGWYTPPKE  
 DG

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_027315

**ORF Size:** 1266 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\\_027315.4](#), [NP\\_081591.3](#)

**RefSeq Size:** 3081 bp

**RefSeq ORF:** 1269 bp

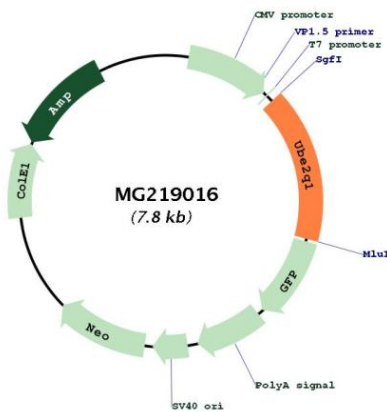
**Locus ID:** 70093

**UniProt ID:** [Q7TSS2](#)

**Cytogenetics:** 3 F1

**Gene Summary:** Catalyzes the covalent attachment of ubiquitin to other proteins (By similarity). Involved in female fertility and embryo implantation (PubMed:23108111). May be involved in hormonal homeostasis in females (PubMed:23108111). Involved in regulation of B4GALT1 cell surface expression, B4GALT1-mediated cell adhesion to laminin and embryoid body formation (PubMed:18511602).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG219016