

Product datasheet for **MG218944**

Ube2g1 (NM_025985) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube2g1 (NM_025985) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ube2g1
Synonyms: 2700059C12Rik; AI256795; AU014992; AW552068; D130023C12Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218944 representing NM_025985
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGGAGCTGCAGTCGGCGCTGCTACTGCGAAGACAGCTGGCAGAACTCAACAAAAATCCAGTGGAAAG
GCTTTTCAGCAGGTTTAAATAGACGACAATGATCTCTATCGTTGGGAAGTCCTTATTATTGGTCCTCCAGA
TACACTTTATGAAGGTGGTGTTTTAAAGGCTCATCTCACTTTCCAAAAGATTATCCCTCCGGCCTCCT
AAAATGAAATTCATTACAGAGATTTGGCACCCAAATGTTGATAAAAAATGGTGATGTTGCATTTCTATTC
TTCATGAGCCTGGGGAGGATAAATATGGTTATGAGAAGCCAGAGGAACGCTGGTTACCTATCCATACTGT
GGAAACCATCATGATTAGTGTCATTTCTATGCTGGCAGATCCTAATGGAGACTCACCTGCAATGTAGAT
GCTGCGAAAGAATGGAGGGAAGACAGAAACGGAGAATTTAAAAGGAAAGTTGCCCGCTGTGTAAGAAAAA
GCCAAGAAACTGCTTTTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG218944 representing NM_025985
Red=Cloning site Green=Tags(s)

MTELSALLRRQLAELNKNPVEGFSAGLIDDNDLYRWEVLIIGPPDTLYEGGVFKAHLTFPKDYPLRPP
KMKFITEIWHPNVDKNGDVCISILHEPGEDKYGYEKPEERWLP IHTVETIMISVISMLADPNGDSPANVD
AAKEWREDRNGEFKRKVARCVRKSQETAFE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

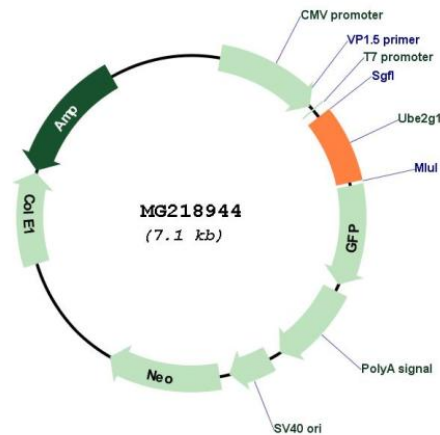


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Cloning Scheme:



Plasmid Map:



ACCN: NM_025985

ORF Size: 510 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:	<ol style="list-style-type: none">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:	<u>NM_025985.4</u> , <u>NP_080261.2</u>
RefSeq Size:	3837 bp
RefSeq ORF:	513 bp
Locus ID:	67128
UniProt ID:	<u>P62254</u>
Cytogenetics:	11 B4
Gene Summary:	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48', as well as 'Lys-63'-linked polyubiquitination. May be involved in degradation of muscle-specific proteins. Mediates polyubiquitination of CYP3A4. [UniProtKB/Swiss-Prot Function]