

Product datasheet for **MG201676**

Ube2h (BC008517) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube2h (BC008517) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ube2h
Synonyms: E2-20K, Ubc8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201676 representing BC008517
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCATCCCCAGTCCCGCAAGAGCGGATGGACACGGACGTAGTCAAGCTCATTGAAAGCAAACATG
AGGTTACAATCTAGGAGGACTCAATGAATTCGTTGTCAAGTTTTACGGACCACAAGGAACACCATATGA
AGGCGGGTGTGAAAGTGAAGTGGACCTTCCTGATAAATACCTTTCAAGTCTCCATCTATAGGATTC
ATGAATAAAATTTCCATCCCAACATTGATGAAGCGTCAGGAAGTGTGTCTAGATGTAATTAATCAA
CTTGGACAGCTCTATGATCTTACCAATATATTTGAGTCTTCTGCCAGTTGCTGGCCTATCCTAA
CCCCATAGATCCTCTCAATGGTGAAGTGCAGCCATGTACCTCCACCGACCAGAAGAGTACAAGCAGAAA
ATTAAGAGTACATCCAGAAGTACGCAACGGAAGAGGCCCTGAAGGAACAGGAAGAGGGCACTGGCGACA
GCTCATCGGAGAGTTCTATGTCTGACTTCTCAGAAGATGAGGCCAGGACATGGAGTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201676 representing BC008517
 Red=Cloning site Green=Tags(s)

MSSSPGKRRMDTDVVKLIESKHEVTILGGLNEFVVKFYGPQGTPEYEGVWVVRVLDPKYPFKSPSIGF
MNKIFHPNIDEASGTVCLDVINQWTALYDLTNIFESFLPQLLAYPNPIDPLNGDAAAMYLRPEEYKQK
IKEYIQKYATEEALKEQEETGDSSSESSMSDFSEDEAQDMEL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

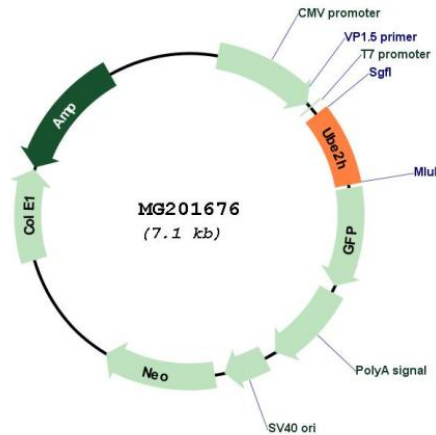


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Cloning Scheme:



Plasmid Map:



ACCN: BC008517

ORF Size: 551 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>BC008517</u> , <u>AAH08517</u>
RefSeq Size:	2828 bp
RefSeq ORF:	551 bp
Locus ID:	22214
Cytogenetics:	6 12.52 cM
Gene Summary:	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]