

Product datasheet for MG220265

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OriGene Technologies, Inc.

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; Al181839; Al326965; Al462483; AW227540; E2-20K; Gid3; N28148; Ubc8

Mammalian Cell

Selection:

Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG220265 representing NM_001169577
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

GCTCATCGGAGAGTTCTATGTCTGACTTCTCAGAAGATGAGGCCCAGGACATGGAGTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG220265 representing NM_001169577

Red=Cloning site Green=Tags(s)

MNKIFHPNIDEASGTVCLDVINQTWTALYDLTNIFESFLPQLLAYPNPIDPLNGDAAAMYLHRPEEYKQK

IKEYIQKYATEEALKEQEEGTGDSSSESSMSDFSEDEAQDMEL

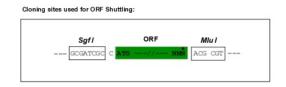
TRTRPLE - GFP Tag - V

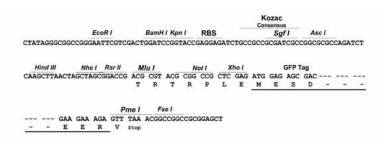
Restriction Sites: Sgfl-Mlul



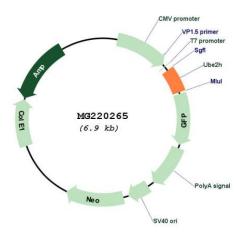


Cloning Scheme:





Plasmid Map:



ACCN: NM_001169577

ORF Size: 339 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

Ube2h (NM_001169577) Mouse Tagged ORF Clone - MG220265

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 001169577.1, NP 001163048.1

RefSeq Size: 4140 bp
RefSeq ORF: 342 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]