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Product datasheet for MG200961

Ube2v2 (NM_023585) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube2v2 (NM_023585) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ube2v2
Synonyms:	1110021H13Rik; 4632410D19Rik; 5730524P06Rik; 6820402M05; AI848315; C81524; MMS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

```
>MG200961 representing NM_023585
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGTCTCCACAGGAGTTAAAGTTCCTCGTAATTTTCGCTTGTTGGAAGAACTTGAAGAAGGACAAA
AAGGAGTAGGTGATGGTACTGTTAGCTGGGGCCTTGAAGATGATGAAGACATGACACTTACAAGGTGGAC
AGGCATGATTATTGGGCCACCAAGGACAAACTATGAAAACAGAATATATAGCCTGAAAGTAGAATGTGGA
TCTAAATACCCAGAAGCTCCTCCATCAGTTAGATTTGTAACAAAAATTAATATGAATGGGATCAATAATT
CCAGTGGAATGGTGGATGCACGGAGCATACCAGTATTAGCAAAATGGCAAAATTCCTATAGCATTAAAGT
CATACTTCAAGAGCTAAGACGTCTTATGATGTCCAAAGAAAATATGAAGCTTCCACAGCCTCCAGAAGGA
CAGACGTACAACAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag -  GTTTAA
```

Protein Sequence:

```
>MG200961 representing NM_023585
Red=Cloning site Green=Tags(s)

MAVSTGVKVPRNFRLLEELEEGQKGVGDGTVSWGLEDDEDMTLTRWTGMIIGPPRTNYENRIYSLKVECG
SKYPEAPPSVRFVTKINMNGINNSSGMVDARSIPVLAKWQNSYSIKVILQELRRLMMSKENMKLPQPPEG
QTYNN

TRTRPLE - GFP Tag -  V
```

Restriction Sites: SgfI-MluI

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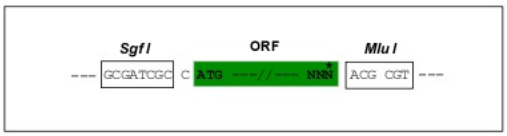
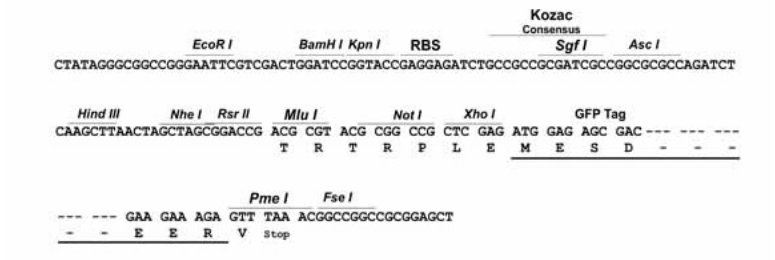
Cloning Scheme:





ACCN:	NM_023585
ORF Size:	435 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_023585.4, NP_076074.2
RefSeq Size:	4181 bp
RefSeq ORF:	438 bp
Locus ID:	70620
UniProt ID:	Q9D2M8

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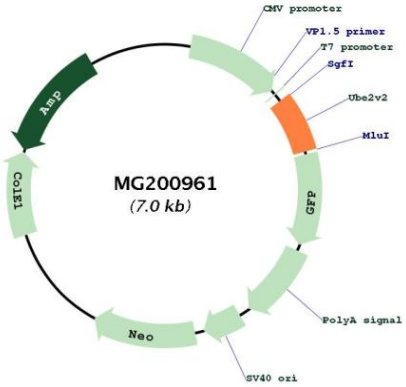
Cytogenetics: 16 A1- A2

Gene Summary: Has no ubiquitin ligase activity on its own. The UBE2V2/UBE2N heterodimer catalyzes the synthesis of non-canonical poly-ubiquitin chains that are linked through 'Lys-63'. This type of poly-ubiquitination does not lead to protein degradation by the proteasome. Mediates transcriptional activation of target genes. Plays a role in the control of progress through the cell cycle and differentiation. Plays a role in the error-free DNA repair pathway and contributes to the survival of cells after DNA damage.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG200961

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