

Product datasheet for **MG226136**

Ube2e3 (NM_009454) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube2e3 (NM_009454) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ube2e3
Synonyms: Ubce4; ubcM2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG226136 representing NM_009454
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCAGTGACAGGCAAAGGTCGGATGATGAGAGCCCTAGCACCAGCAGTGGCAGTTCAGATGCAGATC
AGCGAGACCCTGCCGCTCCAGAGCCCGAGGAACAGGAAGAAGAAACCTTCTGCCACCCAGCAGAAGAA
AAACACCAAACCTCTAGCAAAACGACTGCTAAGTTATCCACTAGTGCTAAAAGAATTGAGAAGGAGCTA
GCAGAGATAACCCTTGATCCTCCTCTAACTGCAGTGCTGGCCCTAAAGGAGATAACATTTATGAATGGA
GGTCAACTATACTTGGTCCACCAGTTCGTATATGAAGGTGGTGTTTTTTTCTGGATATCACATTTTC
TTCAGATTATCCATTTAAGCCACCAAAGGTTACTTTCCGTACCAGAATCTATCACTGCAACATCAACAGT
CAGGGAGTCATCTGCCTGGATATTCTGAAAGACAACCTGGAGTCCTGCTTTGACTATTTCAAAGGTTTTGC
TCTCTATTTGTTCCCTTTTGACAGATTGCAACCCTGCGGATCCTCTGGTCGGAAGCATAGCCACTCAGTA
TTTGACCAACAGAGCAGAACATGACAGGATAGCCAGACAGTGGACCAAGAGATACGCAACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG226136 representing NM_009454
Red=Cloning site Green=Tags(s)

MSSDRQRSDESPSTSSGSSDADQRDPAAPEPEEQEERKPSATQQKNTKLSKTTAKLSTSAKRIQKEL
AEITLDPPNCSAGPKGDNIEWRSTILGPPGSVYEGGVFFLDITFSSDYFPKPKVTFRTRIIYHCNINS
QGVICLDILKDNWSPALTISKVLLSICSLLTDCNPADPLVGSIAQYL TNRAEHDRIARQWTKRYAT

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_009454

ORF Size: 621 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_009454.2](#), [NP_033480.1](#)

RefSeq Size: 1562 bp

RefSeq ORF: 624 bp

Locus ID: 22193

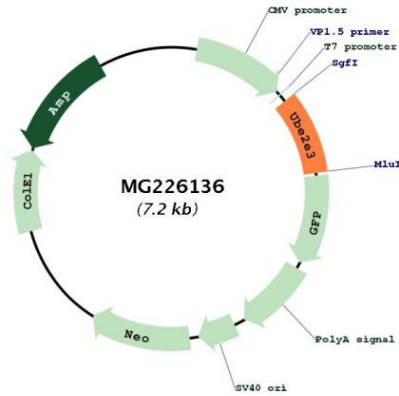
UniProt ID: [P52483](#)

Cytogenetics: 2 C3

Gene Summary:

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-11'- and 'Lys-48'-, as well as 'Lys-63'-linked polyubiquitination (By similarity). Participates in the regulation of transepithelial sodium transport in renal cells. May be involved in cell growth arrest.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG226136