

Product datasheet for **MG211747**

Ube4b (NM_022022) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube4b (NM_022022) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ube4b
Synonyms:	4930551119Rik; 4933406G05Rik; AU014668; D4Bwg0973e; mKIAA0684; UFD2; UFD2a; Ufd2p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211747 representing NM_022022 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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GAGAACACACGCGTGGTCAGCCAGTCACTACAGCATTACCTGGAGCTGGGACGGCAAGAACCTTTTCAAGA
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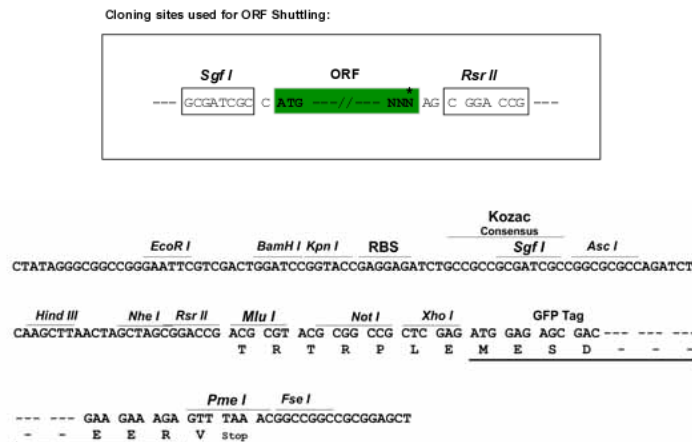
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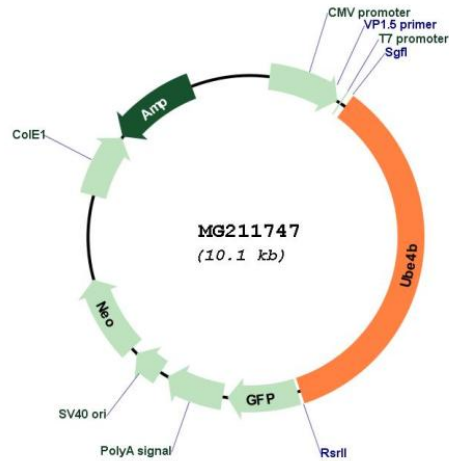
Protein Sequence: >MG211747 representing NM_022022
 Red=Cloning site Green=Tags(s)

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SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII
Cloning Scheme:



Plasmid Map:


ACCN: NM_022022

ORF Size: 3519 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_022022.3](#), [NP_071305.2](#)

RefSeq Size: 5535 bp

RefSeq ORF: 3522 bp

Locus ID: 63958

UniProt ID: [Q9ES00](#)

Cytogenetics: 4 79.08 cM

Gene Summary:

Ubiquitin-protein ligase that probably functions as an E3 ligase in conjunction with specific E1 and E2 ligases (PubMed:11435423). May also function as an E4 ligase mediating the assembly of polyubiquitin chains on substrates ubiquitinated by another E3 ubiquitin ligase (By similarity). May regulate myosin assembly in striated muscles together with STUB1 and VCP/p97 by targeting myosin chaperone UNC45B for proteasomal degradation (By similarity). [UniProtKB/Swiss-Prot Function]