

Product datasheet for **RG204433**

UBE2Q2 (NM_173469) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2Q2 (NM_173469) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UBE2Q2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204433 representing NM_173469 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCGTGTCAGGGCTCAAGGCCGAGCTGAAGTTCCTGGCGTCCATCTTCGACAAGAACCACGAGCGAT
TCCGCATCGTCAGTTGGAAGCTGGACGAGCTGCACTGCCAGTTCCTGGTGCCGCAGCAGGGCAGCCCGCA
CTCGTGCCGCCGCCACTCAGCTCCACTGCAACATCACGGAATCCTATCCATCTTCCACCGATATGG
TTTGTGGATTCTGAAGACCCAAATCTGACATCAGTTCGGAACGTCTAGAAGATACTAAGAACAACAATT
TGCTTCGTCAGCAATTGAAGTGGTTGATATGTGAACCTGTCAGTTTATATAACCTTCCTAAGCAGCTGGA
TGTTGAGATGCTAGATCAACCACTACCCACGGGTGAGAATGGGACAACAGAAGAAGTACTTCAGAAGAA
GAGGAAGAAGAAGAGATGGCTGAAGATATAGAAGACTTAGATCACTATGAGATGAAGGAAGAAGAGC
CTATTAGTGGGAAAAAGTCAGAGGATGAAGGAATTGAAAAAGAAAATTTGGCAATATTAGAGAAAATTAG
GAAGACTCAAAGGCAAGACCATTTAAATGGTGCAGTGTCTGGGTGAGTCAAGCTTCAGATAGACTTATG
AAAGAGCTCAGGGACATATACAGATCACAGAGTTATAAAACAGGGATTTATTCAGTGAAGCTCATAAATG
ACAGTTTATATGACTGGCATGTTAAACTGCAGAAGTTGACCCTGATAGTCTTTGCACAGTGATCTTCA
GATCTTAAAGAAAAAGAAGGCATAGAATATTTTGTAACTTCTCTTTAAGGATAACTTTCCATTT
GATCCTCCATTTGTTGAGTGGTGTACCTGTTCTCTCAGGAGGTATGTATTGGTGGAGGAGCATTAT
GTATGGAACCTTCCACAAAACAGGGCTGGAGCAGTGCCTACTCAATAGAATCGGTATCATGCAAAATAAA
TGCCACCTTAGTCAAAGGCAAAGCCAGAGTGCAGTTTGGAGCAAATAAGAATCAATATAATCTAGCAAGA
GCCCAACAATCCTATAATTCCATTGTACAGATACATGAGAAAAATGGCTGGTACACCCCTCAAAGGAAG
ATGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

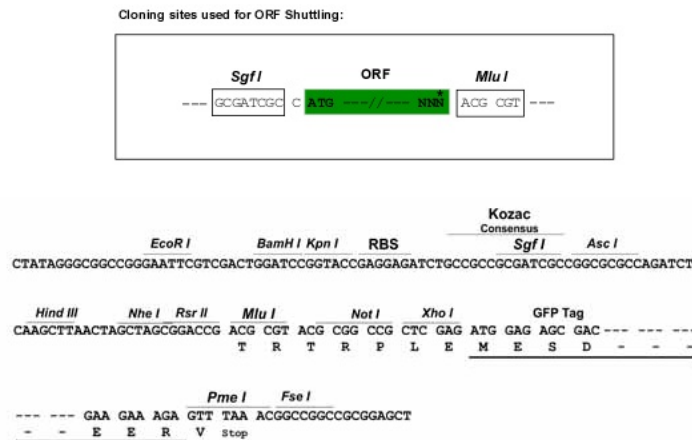
Protein Sequence: >RG204433 representing NM_173469
Red=Cloning site Green=Tags(s)

```
MSVSGLKAEKFLASIFDKNHERFRIVSWKLDLHCQFLVPQQGSPHSLPPPLTLHCNITESYPSSSPIW
FVDESDPNLTSVLERLEDTKNNLLRQQLKWLICELCSL YNLPHKLDVEMLDQPLPTGQNGTTEEV TSEE
EEEEEMAEDIEDLDHYEMKEEPEISGKKSEDEGIEKENLAILEKIRKTRQDHLNGAVSGSVQASDRML
KELRDIYRSQSYKTGIYSVELINDSLYDWHVKLQKVDPSPLHSDLQILKEKEGIEYILLNFSKDNFPF
DPPFVRVVL PVL SGGYVLGGALCMELLTKQGWSSAYSIESVIMQINATLVK GKARVQFGANKNQYNLAR
AQQSYNSIVQIHEKNGWYTPPKEDG
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173469

ORF Size: 1125 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_173469.4](#)

RefSeq Size: 2939 bp

RefSeq ORF: 1128 bp

Locus ID: 92912

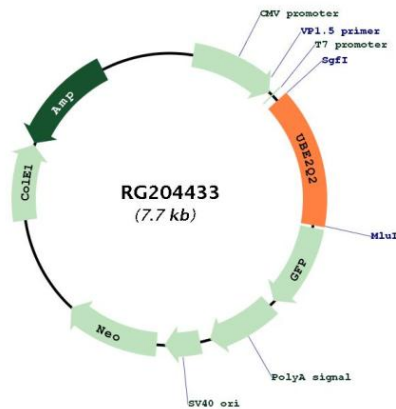
UniProt ID: [Q8WVN8](#)

Cytogenetics: 15q24.2

Protein Pathways: Ubiquitin mediated proteolysis

Gene Summary: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48'-linked polyubiquitination.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204433