

Product datasheet for **RC237572**

UBE2Q2 (NM_001284382) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBE2Q2 (NM_001284382) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: UBE2Q2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237572 representing NM_001284382
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTCCGTGTCAAGGCTCAAGGCCGAGCTGAAGTTCCTGGCGTCCATCTTCGACAAGAACCACGAGCGAT
TCCGCATCGTCAGTTGGAAGCTGGACGAGCTGCCTGCCAGTTCCTGGTCCGCAGCAGGGCAGCCCGCA
CTCGCTGCCGCCGCCACTCAGCTCCACTGCAACATCACGGAATCCTATCCATCTTCCACCGATATGG
TTTGTGGATTCTGAAGACCCAAATCTGACATCAGTTCTGGAACGTCTAGAAGATACTAAGAACAACAATT
TGAATGGGACAACAGAAGAAGTACTTCAGAAGAAGAGGAAGAAGAAGAAGAGATGGCTGAAGATATAGA
AGACTTAGATCACTATGAGATGAAGGAAGAAGAGCCTATTAGTGGGAAAAAGTCAGAGGATGAAGGAATT
GAAAAAGAAAATTTGGCAATATTAGAGAAAATAGGAAGACTCAAAGGCAAGACCATTTAAATGGTGCAG
TGTCTGGGTCAAGCTTCAGATAGACTTATGAAAGAGCTCAGGGACATATACAGATCACAGAGTTA
TAAACAGGGATTTATTCAGTGGAACTCATAAATGACAGTTTATGACTGGCATGTTAAACTGCAGAAG
GTTGACCTGATAGTCTTTGCACAGTGATCTTCAGATCTTAAAGAAAAAGAAGGCATAGAATATATTT
TGCTTAACTTCTTTTTAAGGATAACTTTCCATTTGATCCTCCATTTGTTTCGAGTGGTGTACCTGTTCT
CTCAGGAGGGTATGTATTGGGTGGAGGAGCATTATGTATGGAACCTCTCACAAAACAGGGCTGGAGCAGT
GCCTACTCAATAGAATCGGTCATCATGCAATAAATGCCACCTTAGTCAAAGGCAAGCCAGAGTGCAAGT
TTGGAGCAATAAGAATCAATATAATCTAGCAAGAGCCCAACAATCCTATAATTCATTGTACAGATACA
TGAGAAAAATGGCTGGTACCCCTCCAAGGAAGATGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237572 representing NM_001284382
 Red=Cloning site Green=Tags(s)

MSVSGLKAEKFLASIFDKNHERFRIVSWKLDLHCQFLVPQQGSPHSLPPPLTLHCNITESYPSSSPIW
 FVDSEDPNLTSVLERLEDTKNNNLNGTTEEVTSSEEEEEEMAEDIEDLDHYEMKEEPI SGKSEDEGI
 EKENLAILEKIRKTQRQDHLNGAVSGSVQASDRLMKELRDIYRSQSYKTGIYSVELINDSLYDWHVKLQK
 VDPDPSPLHSDLQILKEKEGIEYILLNFSFKDNFPFDPPFVRVVLVPLSGGYVLGGGALCMELLTKQGWSS
 AYSIESVMQINATLVK GKARVQFGANKNQYNLARAQQSYNSIVQIHEKNGWYTPPKEDG

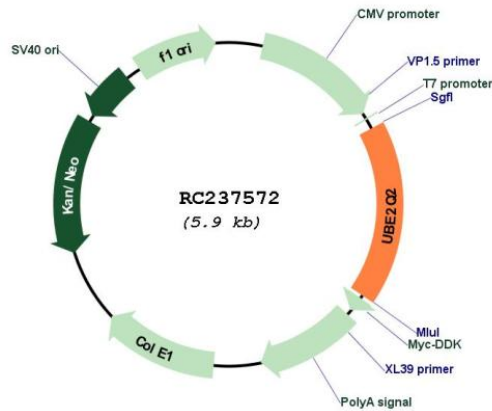
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284382

ORF Size:	1020 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:	<ol style="list-style-type: none">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_001284382.2
RefSeq Size:	2999 bp
RefSeq ORF:	1023 bp
Locus ID:	92912
UniProt ID:	Q8WVN8
Cytogenetics:	15q24.2
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	39.1 kDa
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]