

## Product datasheet for RR205990

### Ube2z (NM\_001037643) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ube2z (NM_001037643) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ube2z
Synonyms:	RGD1308347
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR205990 representing NM_001037643 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGAGAGTCCGACTGAGGAGGCGGCTACGGCGACGGCGGGCGCCGGGCGAGCAGGCCAGGGGCGA  
GCGGTGTTCGGGTGTGGTTCGGGTTAGCGGGAGCGGGCGGGTTCGGGCCGCTTCTCGCCGGATGT  
GTGGGCGCGGCGGGCGGGCGGGGCGGGGACCGGGAGCGGCTGGCTCCGCTGCCAGGACTC  
CGCCCTCGGCCGCTGCCACGGGGCCGCGCTGCTTAGCCATTGGACCCACGCTCAGCTCGGACTGG  
ACGGCGAGCGAACCGCGCCTCAGTGTCTACTTCGGATTAAGCGGATATCATGTCCATTTATAAGGAGCC  
TCCTCCAGGAATGTTGTTGTACCTGACACCGTTGACATGACTAAGATTCATGCATTGATCACAGGCCCA  
TTTGACACTCCTTATGAAGGGGTTTCTTCTGTTGCTTTCGGTGTCCACCCGACTATCCCATCCACC  
CACCTCGGGTCAAAGTATGACAACGGGCAATAACACAGTGAGGTTTAACCCCAACTTCTACCGCAATGG  
GAAAGTCTGCTTGAGTATTCTAGGTACGTGGACTGGCCCCGCTGGAGCCAGCCAGAGCATCTCTTCT  
GTGCTTATCTCCATCCAGTCCCTGATGACTGAGAATCCCTACCACAACGAGCCAGGCTTTGAACAGGAAA  
GACATCCAGGAGACAGCAAAAATAATGAATGTATCCGGCATGAGACCATCAGAGTTGCAGTCTGTGA  
CATGATGGAGGGCAAGTGCCCTGCCCTGAACCCCTACGGGGAGTAATGGAGAAGTCCTTCTGGAGTAT  
TATGACTTCTATGAGGTGGCCTGCAAGACCCGCTGCATCTTCAAGGCCAGACTATGACAGCCCTTTTG  
GAGAAAAGCGGGCCACTTTGACTACCAGTCCCTCTTGTGCGCCTCGGACTGATTCGACAGAAAAGTGCT  
GGAAAGGCTCCATAATGAGAATGCTGAAATGGACTCTGATAGCAGCTCATCTGGGACAGAGACAGACCTG  
CATGGGAGCTAAGGGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



[View online »](#)

**Protein Sequence:** >RR205990 representing NM\_001037643  
 Red=Cloning site Green=Tags(s)

MAESPTEEAATATAGAGAAGPGASGVAGVVGVS GSGGGF GPPFLPDVWAAAAAGGAGGPGSGLAPLPGL  
 PPSAAAHAALLSHWDPTLSSDWDGERTAPQCLLR IKRDIMSIYKEPPP GMFVVPDVTDMTKIHALITGP  
 FDTPEYEGGFLLVFRCPDPYIHP RPKLMTTGNNTVRFNPNFYRNGKVCL SILGTWTGPWSPAQSISS  
 VLISIQSLMTENPYHNEPGFEQERHPGDSKNYNECIRHETIRVAVCDMMEGKCP CPEPLRGVMEKSFLEY  
 YDFYEVACKDRLHLQGGTMQDPFGEKRGHFDYQSLLMRLGLIRQKVLERLHNENAEMSDSSSSSGTETDL  
 HGSLRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001037643

**ORF Size:** 1068 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\\_001037643.2](#), [NP\\_001032732.2](#)

**RefSeq Size:** 2874 bp

**RefSeq ORF:** 1071 bp

**Locus ID:** 303478

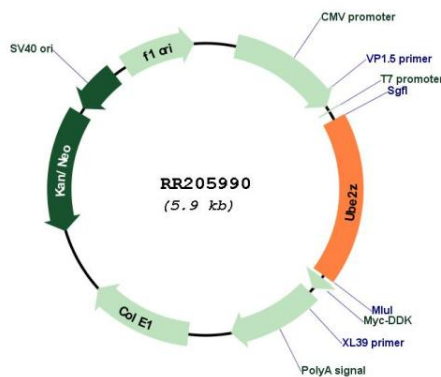
**UniProt ID:** [Q3B7D1](#)

**Cytogenetics:** 10q26

**MW:** 38.4 kDa

**Gene Summary:** Catalyzes the covalent attachment of ubiquitin to other proteins. Specific substrate for UBA6, not charged with ubiquitin by UBE1. May be involved in apoptosis regulation.  
[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RR205990