

## Product datasheet for **RN205990**

### Ube2z (NM\_001037643) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ube2z (NM\_001037643) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ube2z  
**Synonyms:** RGD1308347  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN205990 representing NM\_001037643  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGAGAGTCCGACTGAGGAGGCGGCTACGGCGACGGCGGGCGCGGGCAGCAGGCCAGGGGCGA  
GCGGTGTTGCCGGTGTGGTCCGGTTAGCGGGAGCGCGGGTTCGGGCCGCTTCTCGCCGATGT  
GTGGGCGCGGGCGGGCGGGCGGGGACCGGGAGCGGCCTGGCTCCGCTGCCAGGACTC  
CGCCCTCGGCCGCTGCCACGGGGCCGCGCTGCTTAGCCATTGGGACCCACGCTCAGCTCGGACTGGG  
ACGGCGAGCGAACCGCGCCTCAGTGTCTACTTCGGATTAAAGCGGATATCATGTCCATTTATAAGGAGCC  
TCCTCCAGGAATGTTGTTGACCTGACACCGTTGACATGACTAAGATTCATGCATTGATCACAGGCCCA  
TTTGACACTCCTTATGAAGGGGTTTCTTCTGTTGTCGTTTTCGGTGTCCACCCGACTATCCCATCCACC  
CACCTCGGGTCAAAGTATGACAACGGGCAATAACACAGTGAGGTTTAAACCCAACTTCTACCGCAATGG  
GAAAGTCTGCTTGAGTATTCTAGGTACGTGGACTGGCCCCGCTGGAGCCAGCCAGAGCATCTCTTCT  
GTGCTTATCTCCATCCAGTCCCTGATGACTGAGAATCCCTACCACAACGAGCCAGGCTTTGAACAGGAAA  
GACATCCAGGAGACAGAAAACTATAATGAATGTATCCGGCATGAGACCATCAGAGTTCAGTCTGTGA  
CATGATGGAGGGCAAGTGGCCCTGCCCTGAACCCCTACGGGGAGTAATGGAGAAGTCCTTCTCGGATAT  
TATGACTTCTATGAGGTGGCCTGCAAGACCGCCTGCATCTTCAAGGCCAGACTATGCAGGACCCTTTTG  
GAGAAAAGCGGGGCCACTTTGACTACCAGTCCCTCTTGTGCGCCTCGGACTGATTTCGACAGAAAGTGCT  
GGAAAGGCTCCATAATGAGAATGCTGAAATGGACTCTGATAGCAGCTCATCTGGGACAGAGACAGACCTG  
CATGGGAGCCTAAGGGTCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAAGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001037643



<b>Insert Size:</b>	1071 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001037643.2, NP_001032732.2</u>
<b>RefSeq Size:</b>	2874 bp
<b>RefSeq ORF:</b>	1071 bp
<b>Locus ID:</b>	303478
<b>UniProt ID:</b>	<u>Q3B7D1</u>
<b>Cytogenetics:</b>	10q26
<b>Gene Summary:</b>	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]