

## Product datasheet for **RN214498**

### Ube2d2 (NM\_001037292) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ube2d2 (NM\_001037292) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ube2d2  
**Synonyms:** E217kB; Ubc2e  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN214498 representing NM\_001037292  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCTCTGAAGAGAATCCACAAGGAATTGAATGACCTGGCTCGAGATCCTCCAGCACAGTGTTCAGCAG  
GTCCTGTTGGAGATGATATGTTTCATTGGCAGGCTACAATAATGGGGCCAAATGACAGCCCTATCAGGG  
TGGAGTATTTTTCTTGACTATTCATTTCCCAACAGATTACCCCTCAAACCGCCTAAGGTTGCATTACA  
ACAAGAATTTATCATCCAAATATTAACAGTAATGGCAGCATTGTCTTGATATTCTACGGTCACAGTGGT  
CTCCAGCACTAACTATTTCAAAGTACTTTGTCCATCTGTTCTCTGTTGTGTGATCCCAATCCAGATGA  
TCCTTTAGTGCCTGAGATTGCTCGGATCTACAAAACAGATAGAGAAAAGTACAACAGAATAGCTCGGGAA  
TGGACTCAGAAGTATGCCAT**GTA**A

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001037292  
**Insert Size:** 444 bp  
**OTI Disclaimer:**

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).



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<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><a href="#">NM_001037292.1</a></u> , <u><a href="#">NP_001032369.1</a></u>
<b>RefSeq Size:</b>	915 bp
<b>RefSeq ORF:</b>	444 bp
<b>Locus ID:</b>	641452
<b>UniProt ID:</b>	<u><a href="#">P62839</a></u>
<b>Cytogenetics:</b>	18p11
<b>Gene Summary:</b>	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48'-linked polyubiquitination. Mediates the selective degradation of short-lived and abnormal proteins. Functions in the E6/E6-AP-induced ubiquitination of p53/TP53. Mediates autoubiquitination of STUB1 and TRAF6. Involved in the signal-induced conjugation and subsequent degradation of NFKBIA, FBXW2-mediated GCM1 ubiquitination and degradation, MDM2-dependent degradation of p53/TP53 and the activation of MAVS in the mitochondria by DDX58/RIG-I in response to viral infection. Essential for viral activation of IRF3 (By similarity). Mediates ubiquitination of PEX5. [UniProtKB/Swiss-Prot Function]