

Product datasheet for **RN213713**

Ube2d1 (NM_001108530) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube2d1 (NM_001108530) Rat Untagged Clone
Tag: Tag Free
Symbol: Ube2d1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN213713 representing NM_001108530
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGAAGCGGATCCAGAAAGAATTAAGTGATTTACAGCGTGATCCACCTGCCACTGCTCCGGG
GACCCGTGGGAGATGACTTGTTCCATTGGCAAGCAACCATCATGGGGCCCCCGACAGCGCTATCAAGG
TGGAGTCTTCTCCTCACTGTCCACTTTCGACAGACTATCCCTTAAACCACCAAGATTGCTTTCACA
ACAAAAATCTACCACCAAAATATAAACAGTAACGGGAGTATTTGTCTTGACATCCTGAGGTCCCAGTGGT
CGCCTGCTTTGACCGTATCGAAAGTCTTGTATCAATATGCTCCCTGCTCTGTGACCCTAATCCAGATGA
TCCCTTAGTACCAGATATTGCACAGATCTATAATCAGACAAAGAAAAATACAACAGGCACGCGAGAGAA
TGGACGCAGAAATACGCAATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001108530
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).
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_001108530.1](#), [NP_001102000.1](#)

RefSeq Size: 1360 bp

RefSeq ORF: 444 bp

Locus ID: 361831

UniProt ID: [D3ZDK2](#)

Cytogenetics: 20p11

Gene Summary: 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 auto-ubiquitination of STUB1, TRAF6 and TRIM63/MURF1. Ubiquitinates STUB1-associated HSP90AB1 in vitro. Lacks inherent specificity for any particular lysine residue of ubiquitin. Essential for viral activation of IRF3. Mediates polyubiquitination of CYP3A4 (By similarity). Mediates ubiquitination of PEX5. [UniProtKB/Swiss-Prot Function]