

## Product datasheet for **RC222586**

### UBE2D3 (NM\_181888) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** UBE2D3 (NM\_181888) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** UBE2D3  
**Synonyms:** E2(17)KB3; UBC4/5; UBCH5C  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC222586 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

RCATGGCGCTGAAACGGATTAATAAGGAACCTAGTGATTTGGCCCGTGACCCTCCAGCACAAATGTTCTGC  
 AGGTCCAGTTGGGGATGATATGTTTCATTGGCAAGCCACAATTATGGGACCTAATGACAGCCCATATCAA  
 GGCGGTGATTCTTTTGAACAATTCATTTTCTACAGACTACCCCTTCAAACCACCTAAGGTTGCATTTA  
 CAACAAGAATTTATCATCAAATATTAACAGTAATGGCAGCATTGTCTCGATATTCTAAGATCACAGTG  
 GTCGCCTGCTTTAACAATTTCTAAAGTTCTTTTATCCATTTGTTCACTGCTATGTGATCCAAACCCAGAT  
 GACCCCTAGTGCCAGAGATTGCACGGATCTATAAAACAGACAGAGATAAGTACAACAGAATATCTCGGG  
 AATGGACTCAGAAGTATGCCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC222586 protein sequence  
 Red=Cloning site Green=Tags(s)  
 XWR\*NGLIRNLVIWPVTLQHNVLQVQLGMICFIGKPLWDLMTAHIKAVYSF\*QFIFLQTTPSNHLRLHL  
 QQEFIIQILTVMAAFVSI\*DHSGRLL\*QFLKFFYPFVHCYVIQTQMTP\*CQRLHGSIKQTEISTTEYLG  
 NGLRSMP

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6340\\_c05.zip](https://cdn.origene.com/chromatograms/mk6340_c05.zip)



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_181888

ORF Size: 441 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\\_181888.3](#)

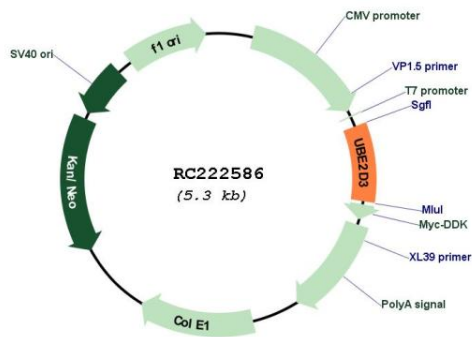
RefSeq Size: 3833 bp

RefSeq ORF: 444 bp

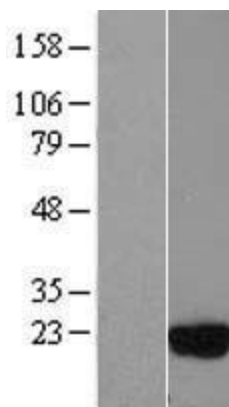
Locus ID: 7323

**UniProt ID:** [P61077](#)  
**Cytogenetics:** 4q24  
**Protein Pathways:** Ubiquitin mediated proteolysis  
**MW:** 16.7 kDa  
**Gene Summary:** The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme functions in the ubiquitination of the tumor-suppressor protein p53, which is induced by an E3 ubiquitin-protein ligase. [provided by RefSeq, Jan 2017]

### Product images:



Circular map for RC222586



Western blot validation of overexpression lysate (Cat# [LY405579]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC222643] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).