

Product datasheet for **RC222643**

UBE2D3 (NM_181891) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBE2D3 (NM_181891) 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: >RC222643 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

RCATGGCGCTGAAACGGATTAATAAGGAACCTAGTGATTTGGCCCGTGACCCTCCAGCACAAATGTTCTGC
AGGTCCAGTTGGGGATGATATGTTTCATTGGCAAGCCACAATTATGGGACCTAATGACAGCCCATATCAA
GGCGGTGATTCTTTTGGACAATTCATTTTCTACAGACTACCCCTTCAAACCACCTAAGGTTGCATTTA
CAACAAGAATTTATCATCAAATATTAACAGTAATGGCAGCATTGTCTCGATATTCTAAGATCACAGTG
GTCGCCTGCTTTAACAATTTCTAAAGTTCTTTTATCCATTTGTTCACTGCTATGTGATCCAAACCCAGAT
GACCCCTAGTGCCAGAGATTGCACGGATCTATAAACAGACAGAGATAAGTACAACAGAATATCTCGGG
AATGGACTCAGAAGTATGCCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC222643 protein sequence
Red=Cloning site Green=Tags(s)

XWR*NGLIRNLV IWPVTLQHNVLQVQLGMICFIGKPLWDLMTAHIKAVYSF*QFIFLQTTPSNHLRLHL
QQEFIIQILTVMAAFVSI*DHSGRLL*QFLKFFYPFVHCYVIQTQMTP*CQRLHGSIKQTEISTTEYLG
NGLRSMP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

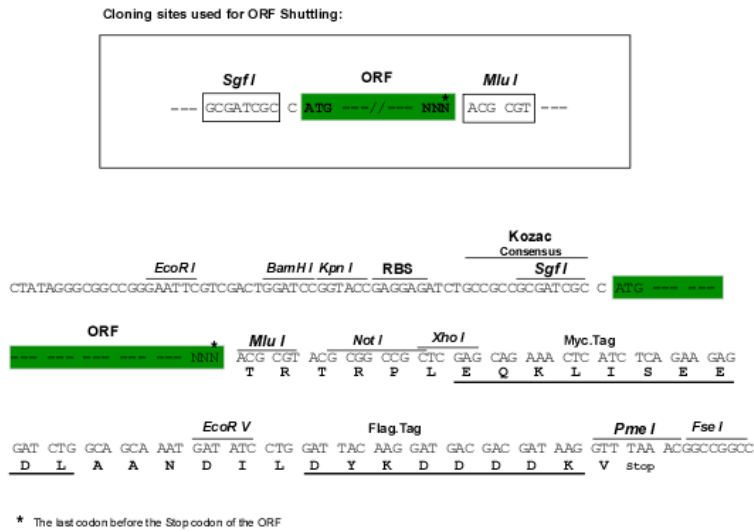
Chromatograms: https://cdn.origene.com/chromatograms/mk6340_c05.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_181891

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_181891.3](#)

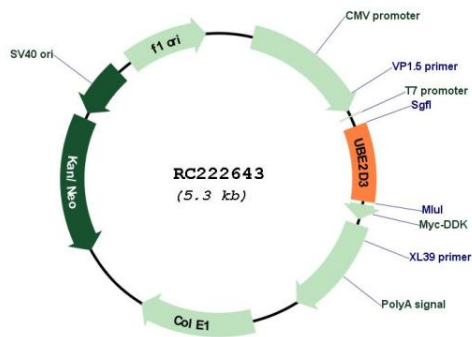
RefSeq Size: 4141 bp

RefSeq ORF: 444 bp

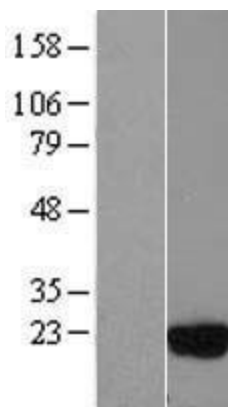
Locus ID: 7323

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 RC222643



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]).