

Product datasheet for RC222586

UBE2D3 (NM_181888) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

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| 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: | <pre>>RC222586 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre> |
| | TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C |
| | RCATGGCGCTGAAACGGATTAATAAGGAACTTAGTGATTTGGCCCGTGACCCTCCAGCACAATGTTCTGC AGGTCCAGTTGGGGATGATATGTTTCATTGGCAAGCCACAATTATGGGACCTAATGACAGCCCATATCAA GGCGGTGTATTCTTTTTGACAATTCATTTTCCTACAGACTACCCCTTCAAACCACCTAAGGTTGCATTTA CAACAAGAATTTATCATCCAAATATTAACAGTAATGGCAGCATTTGTCTCGATATTCTAAGATCACAGTG GTCGCCTGCTTTAACAATTTCTAAAGTTCTTTTATCCATTTGTTCACTGCTATGTGATCCAAACCCAGAT GACCCCCTAGTGCCAGAGATTGCACGGATCTATAAAACAGAACAGAAGATAAGTACAACAGAATATCTCGGG AATGGACTCAGAAGTATGCCATG |
| | ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA |
| Protein Sequence: | <pre>>RC222586 protein sequence Red=Cloning site Green=Tags(s)</pre> |
| | XWR*NGLIRNLVIWPVTLQHNVLQVQLGMICFIGKPQLWDLMTAHIKAVYSF*QFIFLQTTPSNHLRLHL QQEFIIQILTVMAAFVSIF*DHSGRLL*QFLKFFYPFVHCYVIQTQMTP*CQRLHGSIKQTEISTTEYLG NGLRSMP |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Chromatograms: | https://cdn.origene.com/chromatograms/mk6340_c05.zip |



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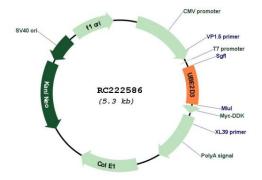
GRIGENE UBE2D3 (NM_181888) Human Tagged ORF Clone – RC222586

| 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. | Restriction Sites: | Sgfl-Mlul |
|---|-----------------------|--|
| Low 1 Der 1 <td< td=""><td>Cloning Scheme:</td><td>Sgfi ORF Miui Gegatege c Atg:// NIN Acg egt</td></td<> | Cloning Scheme: | Sgfi ORF Miui Gegatege c Atg:// NIN Acg egt |
| according on the case of the table of table of the table of t | | EcoRI BamHI Kpn I RBS Sgf I CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGGGAGGGGATCTGCCGCGCGGGATCGC C MTG ORF MIu I Not I Xho I Myc.Tag ACG CGT ACG CGG CCG CTC CAG CAG AAA CTC ATC TCA GAA GAG |
| ACCN:NM_181888DRF Size:441 bpDTI 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 | | GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGGCC |
| PRF Size:441 bpDTI 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 infoDTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.DTI Annotation: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).Ceconstitution 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.efSeq Size:3833 bpefSeq ORF:444 bp | | |
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| efSeq ORF: 444 bp | efSeq: | <u>NM 181888.3</u> |
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| ocus ID: 7323 | efSeq ORF: | 444 bp |
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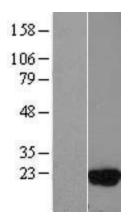
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| CRIGENE UBE2D3 (NM_181888) Human Tagged ORF Clone – RC222586 | | |
|--|---|--|
| UniProt ID: | <u>P61077</u> | |
| Cytogenetics: | 4q24 | |
| Protein Pathways: | Ubiquitin mediated proteolysis | |
| MW: | 16.7 kDa | |
| Gene Summary: | The modification 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]).

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