

## Product datasheet for **RG216319**

### UBE2D3 (NM\_181890) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** UBE2D3 (NM\_181890) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** UBE2D3  
**Synonyms:** E2(17)KB3; UBC4/5; UBCH5C  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG216319 representing NM\_181890  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGCTGAAACGGATTAATAAGGAAGCTAGTGATTTGGCCCGTGACCCTCCAGCACAATGTTCTGCAG  
GTCCAGTTGGGGATGATATGTTTCATTGGCAAGCCACAATTATGGGACCTAATGACAGCCCATATCAAGG  
CGGTGATTCTTTTGAACAATTCATTTTCTACAGACTACCCCTTCAAACCACCTAAGGTTGCATTTACA  
ACAAGAATTTATCATCCAAATATTAACAGTAATGGCAGCATTGTCTCGATATTCTAAGATCACAGTGGT  
CGCCTGCTTTAACAATTTCTAAAGTTCTTTTATCCATTTGTTCACTGCTATGTGATCCAAACCCAGATGA  
CCCCCTAGTGCCAGAGATTGCACGGATCTATAAACAGACAGAGATAAGTACAACAGAATATCTCGGGAA  
TGGACTCAGAAGTATGCCATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG216319 representing NM\_181890  
**Red**=Cloning site **Green**=Tags(s)

MALKRINKELSDLARDPPAQCSAGPVGDDMFHWQATIMGPNDSPYQGGVFFLTIHFPTDYPFKPPKVAFT  
TRIHYPNINSNGSICLDILRSQWSPALTIISKVLLSICSLLCDPNPDDPLVPEIARIYKTRDKYNRISRE  
WTQKYAM

**TR**TRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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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>                | <a href="#">NM_181890.2</a>   |
| <b>RefSeq Size:</b>           | 2187 bp   |
| <b>RefSeq ORF:</b>            | 444 bp  |
| <b>Locus ID:</b>              | 7323  |
| <b>UniProt ID:</b>            | <a href="#">P61077</a>  |
| <b>Cytogenetics:</b>          | 4q24  |
| <b>Protein Pathways:</b>      | Ubiquitin mediated proteolysis  |
| <b>Gene Summary:</b>          | 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] |