

## Product datasheet for **SC118047**

### UBE2D3 (NM\_003340) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2D3 (NM_003340) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2D3
Synonyms:	E2(17)KB3; UBC4/5; UBCH5C
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118047 sequence for NM_003340 edited (data generated by NextGen Sequencing)

```
ATGGCGCTGAAACGGATTAATAAGGAAGCTTAGTGATTTGGCCCGTGACCCTCCAGCACAA  
TGTTCTGCAGGTCCAGTTGGGGATGATATGTTTCATTGGCAAGCCACAATTATGGGACCT  
AATGACAGCCCATATCAAGGCGGTGATTCTTTTTGACAATTCATTTTCCTACAGACTAC  
CCCTTCAAACCACCTAAGGTTGCATTTACAACAAGAATTTATCATCCAAATATTAACAGT  
AATGGCAGCATTTGTCTCGATATTCTAAGATCACAGTGGTCGCTGCTTTAAACAATTTCT  
AAAGTTCTTTTATCCATTTGTTCACTGCTATGTGATCCAAACCCAGATGACCCCTAGTG  
CCAGAGATTGCACGGATCTATAAAACAGACAGAGATAAGTACAACAGAATATCTCGGGAA  
TGGACTCAGAAGTATGCCATGTGA
```

Clone variation with respect to NM\_003340.5



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_003340 unedited  
 GTAATACGACTTTCTATAGGGCGGCCGGAATTCGGCACGAGGGTTAGTAAGATTGTGC  
 TGTTCCGAGAAGGAGAAGGAAAAGGGCTTGACACGTATTTACTCGGCCCGGACGTGGGA  
 AGCAAGCCGTCTGGCTTCGGCCTCACATCGGTCTGTGCTCGGGACGGCGGCTTGGCGG  
 ACTGATCCGCGGGCTGAAGAGGCGCCTGTGTCTGGCAGAGCTGGTGTGAGACGAGACAA  
 TCCTGCCCCGCCCGGGATAATCAAGAGTTTTGGCCGGACCTTTGAGCATACCCGAGA  
 GAGTGAGGAGCCAGACGACAAGCACACACTATGGCGCTGAAACGGATTAATAAGGAACCT  
 AGTGATTTGGCCCGTGACCCTCCAGCACAATGTTCTGCAGGTCCAGTTGGGGATGATATG  
 TTTCAATTGGCAAGCCACAATTATGGGACCTAATGACAGCCATATCAAGGCGGTGTATTC  
 TTTTTGACAATTCATTTTCTACAGACTACCCCTTCAAACCACCTAAGGTTGCATTTACA  
 ACAAGAATTTATCATCCAAATATTAACAGTAATGGCAGCATTGTCTCGATATTCTAAGA  
 TCACAGTGGTCGCTGCTNNTAAATTTCTAAAGTTCTTTTATCCATTTGTTCACTGCTA  
 TGTGATCCAAACCAGATGACCCCTAGTGCCAGAGATTGCACGGATCTATTAACAGAC  
 AGAGATAAGTACCACAGAATATCTCGGAATGGACTCANNAGTATGCCATGTGATGCTAC  
 CTTAAGTCAGNAATACCTGCATATAGCTGGNATAAACTTTAATACTGGTCTTTNNTGAT  
 TNTCTATCCGGCTGCTCCCTATCAGACTCATCTTNTAAATNTATTTTTGGTTACCTCT  
 CCATTCATCCATGCTATTGC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_003340 unedited  
 CCTTCAGTTGGACCCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTCCAT  
 AGCATTGACTTTTATTCATTCATGTTAAGTCACCTGAAATGATATCTGTTGCATTTAAAT  
 GCTCATTAAATGTAATGGCTGAACAAATCCATTTCAATGGATACTCAATATCCCACATAG  
 ATAAGTCACTTCAACACAGCCTCATGACAACCTCCACACCAAAACAGTACTTTATTTTGC  
 AAATTTTGACCCATTATTTACTCCCATGTTGTTTTTTTTTTCAGCTGTCAAGGTACAAGGTG  
 AAGAGAAATTTAGTTAGACAGGGGCTGCACCTGGAAAATAAATTTCTTAACTCCATAA  
 ACACATTTCAAACCTGCTGGGTCCCAAAGTCCATCTATGAACTCTAGGGCTGCCAGTAT  
 CATGTGCAGCACATTAAGCTACACTATCCAAATAGCTTATTAATTTGTCATAAATCAGG  
 TCAAGCAATGTGTCAACCTGTAACAGACTGTGCACTTTAACTGAACATGGCAAAATATTC  
 ACTCTTTGCACTTTACATCATCTTTGATGTCAAACAATGAAGCAAATCCCAACAGTAT  
 ATACAAAAACAGCTTTGCATTTACAAAAGATTGTTTCCCATACTGATTAATCCCAGCAG  
 CTAACCTATTGGTTTATGCACTTTATTGAAGAAAAATAAATCAATTAAGTACTAGCAGAGTA  
 TTAGTTGATCACTCATCCATTGACAACCTTGATCATTATTTAGTGTATATTAACCAG  
 TGTATTGAAAGAAATATTAACATAAGCTCCAAAGCCTCCTAAACATTTTAAATGGAAA  
 ATTCAAATTTGTTGGGAACCTTATTCTGGGATACAAAAGGGTGTGTTGACCTCCAATTT  
 CATCCTTCTGAAAAACA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_003340

**Insert Size:**

2090 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\\_003340.4](#), [NP\\_003331.1](#)

**RefSeq Size:** 2386 bp

**RefSeq ORF:** 444 bp

**Locus ID:** 7323

**UniProt ID:** [P61077](#)

**Cytogenetics:** 4q24

**Domains:** UBCc

**Protein Pathways:** Ubiquitin mediated proteolysis

**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]

**Transcript Variant:** This variant (1) encodes the predominant isoform (1). **Sequence Note:** This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.