

## Product datasheet for SC107492

### UBE2D3 (NM\_181889) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2D3 (NM_181889) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2D3
Synonyms:	E2(17)KB3; UBC4/5; UBCH5C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC107492 representing NM_181889. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTGCTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCGCTGAAACGGATTAATAAGGAACTAGTGATTTGGCCCGTGACCCTCCAGCACAATGTTCTGCA
GGTCCAGTTGGGGATGATATGTTTCATTGGCAAGCCACAATTATGGGACCTAATGACAGCCCATATCAA
GGCGGTGTATTCTTTTGAACAATTCATTTTCTACAGACTACCCCTTCAAACCACCTAAGGTTGCATTT
ACAACAAGAATTTATCATCCAAATTAACAGTAATGGCAGCATTGTCTCGATATTCTAAGATCACAG
TGGTCGCCTGCTTAACAATTTCTAAAGTTCTTTTATCCATTTGTTCACTGCTATGTGATCCAAACCCA
GATGACCCCTAGTGCCAGAGATTGCACGGATCTATAAAACAGACAGAGATAAGTACAACAGAATATCT
CGGAATGGACTCAGAAGTATGCCATGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Chromatograms: [https://cdn.origene.com/chromatograms/mk8074\\_a10.zip](https://cdn.origene.com/chromatograms/mk8074_a10.zip)

Restriction Sites: SgfI-MluI

ACCN: NM\_181889

Insert Size: 444 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).



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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>	<u><a href="#">NM_181889.1</a></u>
<b>RefSeq Size:</b>	3856 bp
<b>RefSeq ORF:</b>	444 bp
<b>Locus ID:</b>	7323
<b>UniProt ID:</b>	<u><a href="#">P61077</a></u>
<b>Cytogenetics:</b>	4q24
<b>Protein Pathways:</b>	Ubiquitin mediated proteolysis
<b>MW:</b>	16.7 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (5) has an alternate 5' UTR exon, and encodes the same isoform (1), as compared to variant 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.</p>