


Product datasheet for **SC307395**

UBE2D3 (NM_181893) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2D3 (NM_181893) 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:	>SC307395 representing NM_181893. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCTTTCTAACCGAAAGTGCCTTTCAAAGAACTTAGTGATTTGGCCCGTGACCCTCCAGCACAAATGT
TCTGCAGGTCCAGTTGGGGATGATATGTTTCATTGGCAAGCCACAATTATGGGACCTAATGACAGCCCA
TATCAAGCGGTGATTCTTTTGGACAATTCATTTTCTACAGACTACCCCTTCAAACCACCTAAGGTT
GCATTTACAACAAGAATTTATCATCCAATATTAACAGTAATGGCAGCATTTGTCTCGATATTCTAAGA
TCACAGTGGTGCCTGCTTTAACAATTTCTAAAGTTCTTTATCCATTTGTTCACTGCTATGTGATCCA
AACCCAGATGACCCCTAGTGCCAGAGATTGCACGGATCTATAAACAGACAGAGATAAGTACAACAGA
ATATCTCGGGAATGGACTCAGAAGTATGCCATGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	
ACCN:	NM_181893
Insert Size:	450 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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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_181893.2
RefSeq Size:	3646 bp
RefSeq ORF:	450 bp
Locus ID:	7323
UniProt ID:	P61077
Cytogenetics:	4q24
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	16.9 kDa
Gene Summary:	<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 (9) lacks two consecutive 5' exons, but has an alternate 5' exon, which contains an upstream in-frame start codon, as compared to variant 1. It encodes isoform 3, which has a distinct and two aa longer N-terminus, as compared to isoform 1.</p> <p>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>