

Product datasheet for **SC127645**

UBE2D3 (NM_181892) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2D3 (NM_181892) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2D3
Synonyms:	E2(17)KB3; UBC4/5; UBCH5C
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_181892, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCTGAAACGGATTAATAAGGAACTTAGTGATTTGGCCCGTGACCCTCCAGCACAATGTTCTGCAG
GTCCAGTTGGGGATGATATGTTTCATTGGCAAGCCACAATTATGGGACCTAATGACAGCCCATATCAAGG
CGGTGATTCTTTTTGACAATTCATTTTCCTACAGACTACCCCTTCAAACCACCTAAGGTTGCATTTACA
ACAAGAATTTATCATCCAAATATTAACAGTAATGGCAGCATTTGTCTCGATATTCTAAGATCACAGTGGT
CGCCTGCTTTAACAATTTCTAAAGTTCTTTTATCCATTTGTTCACTGCTATGTGATCCAAACCCAGATGA
CCCCCTAGTGCCAGAGATTGCACGGATCTATAAACAGACAGAGATAAGTACAATAGGTTAGCAAGAGAG
TGGACAGAGAAATACGCTATGTTGTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_181892 unedited
 TGTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGGTCCGAGAAGGAGAAGG
 AAAGGGCTTGACACGTATCACTCGGCCCGGACGTGGGAAGCAAGCCGTCTGGCTTCGG
 CCTCACATCGGTCTGTGCTCGGGACGGCGGCGTTGGCGGACTGATCCGCGGCGGTGAAG
 AGGCGCCTGTGTCTGGCAGAGCTGGTGTGAGACGAGACAATCCTGCCCGCCCGGGAT
 AATCAAGAGTTTTGGCCGACCTTTGAGCATAACCCGAGAGAGTGAGGAGCCAGACGACA
 AGCACACACTATGGCGCTGAAACGGATTAATAAGGAACTTAGTGATTTGGCCCGTGACCC
 TCCAGCACAATGTTCTGCAGGTCCAGTTGGGGATGATATGTTTCATTGGCAAGCCACAAT
 TATGGGACCTAATGACAGCCCATATCAAGGCGGTGATTCTTTTTGACAATTCATTTTCC
 TACAGACTACCCCTTCAAACCACCTAAGTTGCATTTACAACAAGAATTTATCATCCAAA
 TATTAACAGTAATGGCAGCATTGTCTCGATATTCTAAGATCACAGTGGTCGCCTGCTTT
 AACAAATTTCTAAAGTTCTTTTATCCATTTGTTCACTGCTATGTGATCCAAACCCAGATGA
 CCCCTAGTGCCAGAGATTGCACGGATCTATANAACAGACAGAGATAAGTACAACAGAAT
 ATCTCGGGAATGGACTCAGAAGTATGCCATGTGATGCTACCTTTAAGTCAGAATAACCTG
 CATTATAGCTGGAATAAACTTTAATACTGGTCCTTTTTTGTATTTCTATCCGGCTGCTT
 CCTATCAGACTCATCTTTTTATTTTATTTTGTACCTCCTCCTTCCATGCTCATTG
 AAGACTTAGTCTTCACTTGACATACTGTTAAACGTAAGAGTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_181892 unedited
 TGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGGTTTATGCAACTTT
 ATTGAAGAAAAATAAATCAATTAAGTAGCAGAGCTATTAGTTGATCACTCATCCATTGACA
 ACTTGATCATTATTCAGTGCTATATTAACAGTGTATTGGAAGATAGATTAACATAATA
 GCTCCAAGCCTCCTAACAAATTTAAATGAAAATTACAAAATGTTTGAGACCCTATTTTGG
 ATACAAAGGGTGTGGACTTCCAATTTCCATTCTCTGTAGAACAAGAACAGGTCATTCTCT
 TTATTGACATGCATAAAAATACATCACATTTTCTGTTCTGCTGATGCTATAAATTCATAC
 CAATTCTCCAGCCACATCAGTTATGAGCATAAAGCATATCATGTAACCTCAAATCTCTAA
 CAGTGGAAGGCTTAAACAAGAATGGATGCTGCTAGAATAATGCTGTATCCTTTGATGTGA
 CAACTGAGCATCCATCTCCCTCCCTCAGATGATTTCTTCAGCATGTTAGAGCAGTGAG
 GAATGGTTTTAGTCTCATAACCAAGTTAGAGTGAAGACATTGGCCACATAATACACATGC
 TCCATTTTTTTTTTAAAAATTCTGAGTCTTGGGCAACTGTTCTCTTGTAACTACTTTAC
 AGTTTCTAAAAGCAGGTATTGTCCAAAGCTGGAAGAACTTAAGTCTTCTCAAATGACCAT
 GTGAATGAATGGAAGGAGGTAACCAAAAATAAAATTAAGATGAGGCTGATAGGGGA
 GCCACCCGTATAAAAAATCAAAAAGAACCAGGTTTTAAGTTTATCCACCTTATGGCCGG
 TTTTCTGACTTTAGGTAGCTACATGGCTACTTTGAACCTTCCGGAATTCGTGGC

Restriction Sites:

NotI-NotI

ACCN:

NM_181892

Insert Size:

1670 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_181892.1](#), [NP_871621.1](#)

RefSeq Size: 4216 bp

RefSeq ORF: 447 bp

Locus ID: 7323

UniProt ID: [P61077](#)

Cytogenetics: 4q24

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 (8) differs in the 5' UTR and has an additional exon in the 3' region, as compared to variant 1. It encodes isoform 2, which has a distinct and one aa longer C-terminus, as compared to 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.