

Product datasheet for **SC109867**

UBE2I (NM_003345) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2I (NM_003345) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2I
Synonyms:	C358B7.1; P18; UBC9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109867 sequence for NM_003345 edited (data generated by NextGen Sequencing)

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ATGTCGGGGATCGCCCTCAGCAGACTCGCCAGGAGAGGAAAGCATGGAGGAAAGACCAC
CCATTTGGTTTCGTGGCTGTCCCAACAAAAATCCCGATGGCACGATGAACCTCATGAAC
TGGGAGTGCGCCATTCCAGGAAAGAAAGGGACTCCGTGGGAAGGAGGCTTGTAAACTA
CGGATGCTTTTCAAAGATGATTATCCATCTTCGCCACAAAAATGTAATTCGAACCACCA
TTATTTACCCGAATGTGTACCCCTCGGGGACAGTGTGCCTGTCCATCTTAGAGGAGGAC
AAGGACTGGAGGCCAGCCATCACAATCAAACAGATCCTATTAGGAATACAGGAATTCTA
AATGAACCAAATATCCAAGACCCAGCTCAAGCAGAGGCCTACACGATTTACTGCCAAAAC
AGAGTGGAGTACGAGAAAAGGTCCGAGCACAAGCCAAGAAGTTTGCGCCCTCATAA
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Clone variation with respect to NM_003345.4



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003345 unedited
 GTTCGAATTTGTATACGACTCCTATAGGCGGCCCGCGATTTCGGCAGGAGGGCGGGCTCCG
 GAGGGAAGTCCCAGACAAAAGGGAAGCGCCGCCGCCGCCCGCTCGGTCTCCACCT
 GTCCGCTACGCTCGCCGGGGCTGCGGCCGCCGAGGGACTTTGAACATGTCGGGGATCGC
 CCTCAGCAGACTCGCCAGGAGAGGAAAGCATGGAGGAAAGACCACCCATTTGGTTTCGT
 GGCTGTCCCAACAAAAATCCCAGATGGCAGCATGAACCTCATGAACTGGGAGTGCGCCAT
 TCCGGGAAAGAAAGGGACTCCGTGGGAAGGAGGCTTGTTTAAACTACGGATGCTTTTCAA
 AGATGATTATCCATCTTCGCCACCAAAATGTAATTCGAACCACCATTTTCACCCGAA
 TGTGTACCCTTCGGGGACAGTGTGCCTGTCCATCTTAGAGGAGGACAAGGACTGGAGGCC
 AGCCATCACAATCAAACAGATCCTATTAGGAATACAGGAACCTTCTAAATGAACCAAAATAT
 CCAAGACCCAGCTCAAGCAGAGGCTACACGATTTACTGCCAAAACAGAGTGGAGTACGA
 GAAAAGGGTCCGAGCACAAGCCAAGAAGTTTGCGCCCTCATAAGCAGCGACCTTGTGGCA
 TCGTCAAAGGAAGGGATTGGTTTGGCAAGAACTGTTTTACAACATTNTGCANATCTAA
 AGTTGCTCCATACAATGACTAGTCACCTGGGGGGGNTGGGGCGGGCGCCATCTCCAT
 TGCCGCCCGGNNTGTGCGGTCTCGATTGCTGAATTGCCGTTTCCATACAGGGNNCTC
 TCCTTCGNCTTNGNATTTTGGATGGGTATGGNAACTCGCTNNTATTTATTAATGGATG
 GCAGNATTTCAACTGCTGTANAATATAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003345 unedited
 AATCCTGNACC CGGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTACCTTTAT
 ATAAACAGTTTATTTACTCTAAACAGCAGCGCAGACAAAACGCCATATAAACACAAAGGA
 AGTGGCGCAGAACCGAGATGCTGCCCTGGGGTCTGAGGCTCAAAGCAGCACAGCCAGG
 TTCTAGAAGTTCTAGAGAGGAGCGGCAGGAGGGAGGGTGCATTTCCATACAGCCAGCTG
 AGGCCAAGTGCAGCTCTGCACGGTGAGAAGCATGCCTGCATCCCAGAGCGAGGAACCTCGC
 CCCTGGGGGACTTACCCAAGTATAAAAAGTTTATAATTTTACAGCAGTTGAAATACTGACA
 TCAATATTAATAAAAAGCGAGTTTTACATAACAATCAAAAATACAAAAGACCGAAGGAA
 GAGACCTGTATGGAAACGGGCAATTCAGCGAATCGAGACCGCACACCCCGCGGCGCAAT
 GGAAGATGGCGCCCGCCCAACCCCGGAGTACTAGTCATTGTATGGAGCAACTTTAGA
 TTTGCAAAAATGTTGTAACAAGTTCTTGCCAAACCAATCCCTTCTTTTACGATGCCA
 CAAGGGTCTGCTTATGAGGGCGCAAACCTTCTGGCTTGTGCTCGGACCCTTTTCTCGT
 ACTCCACTCTGNTTGGGAGTAAATCGTGTAAAGCCTCTGCTTACCTGGGTCTTGGATATT
 TGGTTTCAATTTAAAAGTCCTGGATCCCAATAAGATCCGTTTGAATGGAATGGCTGCCCTCC
 AGTCTTTGGCCTCTTAAAGGACCAGGCCCTGTCCCCAGGTTACACATTGGGGGA
 AAAAAGGTGGGGTACATTTACCTTTGGGGCCAAGATAGGATATTATTTGAAAAGCCT
 CGCGTTTAAACCAACCCCTTCC

Restriction Sites:

NotI-NotI

ACCN:

NM_003345

Insert Size:

1080 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_003345.3](#), [NP_003336.1](#)

RefSeq Size: 1221 bp

RefSeq ORF: 477 bp

Locus ID: 7329

UniProt ID: [P63279](#)

Cytogenetics: 16p13.3

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. Four alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the predominant transcript. Variants 1-4 encode the same protein. 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.