

Product datasheet for **SC319697**

UBE1C (UBA3) (NM_003968) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE1C (UBA3) (NM_003968) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE1C
Synonyms:	hUBA3; NAE2; UBE1C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_003968.3
 GGGAGAGGCGGAGAACAAATATGGCGGATGGCGAGGAGCCGGAGAGGAAAAGAAGGAGAAT
 AGAGGAGCTGCTGGCTGAGAAAAATGGCTGTTGATGGTGGGTGTGGGGACACTGGAGACTG
 GGAAGGTGCGTGGAAACCATGTAAAGAAGTTCCTCGAGCGATCTGGACCCTTCACACACCC
 TGATTTGCAACCGAGCACTGAATCTCTCCAGTCTTGTAGATACATGTAAGTTCTAGT
 CATTGGAGCTGGCGGCTTAGGATGTGAGCTCCTGAAAAATCTGGCCTTGTCTGGTTTTAG
 ACAGATTGATGTTATAGATATGGACACTATAGATGTTTCCAATCTAAATAGGCAGTTTTT
 ATTTAGGCCTAAAGATATTGGAAGACCTAAGGCTGAAGTTGCTGCAGAATTTCTAAATGA
 CAGAGTTCCTAATTGCAATGTAGTTCACATTTCAACAAGATTCAAGATTTTAACGACAC
 TTTCTATCGACAATTTTCATATTATTGTATGTGGACTGGACTCTATCATCGCCAGAAGATG
 GATAAATGGCATGCTGATATCTCTTCTAAATTATGAAGATGGTGTCTTAGATCCAAGCTC
 CATTGTCCTTTGATAGATGGGGGACAGAAGTTTTAAAGGAAATGCCCGGTGATTCT
 GCCTGGAATGACTGCTTGTATCGAATGCACGCTGGAACTTATCCACCACAGTTAATTT
 TCCCATGTGCACCATTGCATCTATGCCAGGCTACCAGAACACTGTATTGAGTATGTAAG
 GATGTTGCAGTGGCCTAAGGAGCAGCCTTTTGGAGAAGGGGTTCCATTAGATGGAGATGA
 TCCTGAACATATACAATGGATTTTCCAAAAATCCCTAGAGAGAGCATCACAAATATAATAT
 TAGGGGTGTTACGTATAGGCTCACTCAAGGGGTAGTAAAAAGAATCATTCTGCAGTAGC
 TTCCACAAATGCAGTCATTGCAGCTGTGTGCCACTGAGGTTTTTAAATAGCCACAAG
 TGCATACATTCCTTGAATAATTAATGATGTAGATGGGCTGTATACATA
 CACATTTGAAGCAGAAAGAAAGGAAAATGCCAGCTTGTAGCCAGCTTCTCAAATAT
 TCAGTTTTCTCCATCAGCTAACTACAGGAGTTTTGGATTATCTAACCAATAGTGCTTC
 TCTGCAAAATGAAATCTCCAGCCATCACAGCCACCCTAGAGGAAAAAATAGAACACTTTA
 CTTACAGTCGGTAACCTCTATTGAAGAACGAACAAGGCCAAATCTCTCAAACATTGAA
 AGAATTGGGGCTTGTGATGGACAAGAAGTGGCGTTGCTGATGTCACCCACCCACAGAC
 TGTAATTTCAAACCTCATTCTTCTTAAGGAAAATCTCCACATAATAGAAAACAT
 GGAAAATAATACTTTGTGGATGCTAAGAAGTTGAATCGATGTCATTTTTAGCAATAGT
 TTGCCACGATTTGCTTTTTTATATAATGAACCACTTTTTTAACTTTGTAACCTTC
 CCTTGAAGACAGAATTTTGGTGTGGTGTGTAAGCATTTCATTAATAATATGAGAAA
 TGATACCTGGAGAGAGATTATGAGCAAATGTATTGCTCTTTTAGAGGAGGAAGCATA
 CAACCTCTTTGTGTAATTTGTTATTATGGTCAAAGAATGCATTCCTAAGTTTTTCATT
 TGAGTACCCAAAATACACAAAAGGTGCCCTTTAAGGAAAATAAAGAATTAAGTTTTAAAT
 CAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_003968

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).

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_003968.3 , NP_003959.3
RefSeq Size:	2136 bp
RefSeq ORF:	1392 bp
Locus ID:	9039
UniProt ID:	Q8TBC4
Cytogenetics:	3p14.1
Domains:	UBACT, ThiF
Protein Pathways:	Ubiquitin mediated proteolysis
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 E1 ubiquitin-activating enzyme family. The encoded enzyme associates with AppBp1, an amyloid beta precursor protein binding protein, to form a heterodimer, and then the enzyme complex activates NEDD8, a ubiquitin-like protein, which regulates cell division, signaling and embryogenesis. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>