

Product datasheet for **SC115743**

UBE2C (NM_007019) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2C (NM_007019) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2C
Synonyms:	dj447F3.2; UBCH10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115743 sequence for NM_007019 edited (data generated by NextGen Sequencing)

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ATGGCTTCCCAAACCGCGACCCAGCCGCCACTAGCGTCGCCGCCCGCCGTAAGGAGCT
GAGCCGAGCGGGGCGCCGCCCGGGTCCGGTGGGCAAAAGGCTACAGCAGGAGCTGATG
ACCCTCATGATGTCTGGCGATAAAGGGATTTCTGCCTTCCTGAATCAGACAACCTTTTC
AAATGGGTAGGGACCATCCATGGAGCAGCTGGAACAGTATATGAAGACCTGAGGTATAAG
CTCTCGCTAGAGTTCCCCAGTGGCTACCCTTACAATGCGCCCACAGTGAAGTTCCCTCAG
CCCTGCTATCACCCCAACGTGGACACCCAGGGTAACATATGCCTGGACATCCTGAAGGAA
AAGTGGTCTGCCCTGTATGATGTCAGGACCATTCTGCTCTCCATCCAGAGCCTTCTAGGA
GAACCAACATTGATAGTCCCTTGAACACACATGCTGCCGAGCTCTGGAAAAACCCACA
GCTTTTAAGAAGTACCTGCAAGAAACCTACTCAAAGCAGGTACCAGCCAGGAGCCCTGA
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Clone variation with respect to NM_007019.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007019 unedited
 TCCCCGCCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAG
 AGCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAAT
 TCGGCACGAGGTGTCTCTGCCAACGCCGCCGGATGGCTTCCCAAACCGCGACCCAG
 CCGCCACTAGCGTCGCCGCCGCCGTAAGGAGCTGAGCCGAGCGGGGGCGCCGCCGGG
 GTCCGGTGGGCAAAGGCTACAGCAGGAGCTGATGACCCTCATGATGTCTGGCGATAAAG
 GGATTTCTGCCTCCCTGAATCAGACAACCTTTTCAAATGGGTAGGACCATCCATGGAG
 CAGCTGGAACAGTATATGAAGACCTGAGGTATAAGCTCTCGCTAGAGTTCCCCAGTGGCT
 ACCCTTACAATGCGCCACAGTGAAGTTCTCACGCCCTGCTATACCCCAACGTGGACA
 CCCAGGTAACATATGCCTGGACATCCTGAAGGAAAAGTGGTCTGCCCTGTATGATGTCA
 GGACCATCTGCTCTCCATCCAGAGCCTTCTAGGAGAACCCAACATTGATAGTCCCTTGA
 ACACACATGCTGCCGAGCTCTGGAAAAACCCACAGCTTTTAAGAAGTACCCTGCAGAAA
 CCTACTCAAAGCAGGTACCAGCCAGGAGCCCTGACCCANGCTGCCAGCCTGTCCTTGT
 GTCGTCTTTAATTTTCTAGATGGTCTGCCCTTTTGTGATTTCTGATAGGACTCTTTA
 TCTTGAGCTGTGGATTTTGGTTGGGTTTGGGCCTTTAAATAAGCCCTCGGTGAGCCCTT
 GTATATAAATAAAGCATTTTTGGCTTTTTTAAAAAAAAAAAAAAAAAATTCGCTTTTGAA
 TCGGCCCGCGGCTTAGCTGTTTCTGAACGTATCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_007019 unedited
 CGCAATCTAGTGTGAGTTTTTTTTTTTTTTTTTTTTTAAAAAAGACAAAAATGCATTTATTT
 AATATAACAAGGCCCTCAACCGAGGCTTAATTTAAAAGACAAAAACAAAACAAAAATACCA
 CAGCTCAAGATAAAGAGTCTATACAGAAATCACAAAAAGGACAGACCATCTAAGGAAAA
 ATTA AAAAGACGACACAAGGACAGGCTGGGCAGCCTGGGTGAGGCTCCTGGCTGGTAC
 CTGCTTTGAGTAGTTTTCTTGCAGGTA CTCTTAAAAGCTGAGGGTTTTTCCAGAGCTC
 GGCAGCATGTGTGTTCAAGGGACTATCAATGTTGGGTTCTCCTATAAGGCTCTGGATGGA
 GAGCAGAAATGGTCTGACATCATACAGGGCAGACCACTTTTCTTCCAGGATGTCCAGGCA
 TATGTTACCCTGGGTGTCCACGTTGGGGTGATAGCAGGGCGTGAGGAACTTCACTGTGGG
 CGCATTGTAAGGGTAGCCACTGGGGAACCTAGCGAGAGCTTATACCTCAAGTCTTCATA
 TACTGTTCCAGCTGCTCCATGGATGGTCCCCTACCCATTTGAAAAGGTTGTCTGATTGAG
 GGAAGGCAGAAAATCCCTTTATCGCCAGACATCATGAGGGTCATCAGCTCCTGCTAGCC
 TTTTGCCACCCGACCCCGGGCGGCCCGCCCGCTCGGCTCAGCTCCTTTACGGGCGGCGG
 CGACGCTAGTGGCGGCTGGGTGCGGTTTTGGGATCCATCCGGNCGGCGTTGCAGAGAGA
 ACCTCGTGCCAATTGCGGCCCGCCTAAGTGAGTCGTATACAAATTCTGAAGGTCACTAAC
 GAGCTTGCTATTA AACCTCCACGTAACGCTACCGCCATTGCGTAACGGGCGAGGTATTA
 GAAATCTGAAATGTCCGTGTTTTGGGCACAACTCCCTGACCTATGGGTGGGACTTAATT
 CCCGGAGGAACCGTTTACCCATG

Restriction Sites:

NotI-NotI

ACCN:

NM_007019

Insert Size:

800 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:	<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_007019.2 , NP_008950.1
RefSeq Size:	823 bp
RefSeq ORF:	540 bp
Locus ID:	11065
UniProt ID:	O00762
Cytogenetics:	20q13.12
Domains:	UBCc
Protein Families:	Druggable Genome
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, ubiquitin-conjugating enzymes, and ubiquitin-protein ligases. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein is required for the destruction of mitotic cyclins and for cell cycle progression, and may be involved in cancer progression. Multiple transcript variants encoding different isoforms have been found for this gene. Pseudogenes of this gene have been defined on chromosomes 4, 14, 15, 18, and 19. [provided by RefSeq, Aug 2013]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>