

Product datasheet for **SC113961**

UBC3B (UBE2R2) (NM_017811) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBC3B (UBE2R2) (NM_017811) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBC3B
Synonyms:	CDC34B; E2-CDC34B; UBC3B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113961 sequence for NM_017811 edited (data generated by NextGen Sequencing)

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ATGGCCCAGCAGCAGATGACCAGCTCGCAGAAGGCCCTGATGCTCGAGCTGAAATCCCTG
CAGGAGGAACCGGTGGAGGGCTTCCGGATCACCCCTGGTGGACGAGTCCGACCTCTACAAC
TGGGAGGTGGCCATCTTCGGACCCCAACACCCCTCTACGAAGGCGGCTACTTCAAGGCG
CATATTAATTTCTATTGACTACCCCTATTCACCACCTACCTTCAGATTCTTGACCAA
ATGTGGCACCCCAACATTTATGAGAATGGAGATGTATGCATTTGATTCTTCATCCGCT
GTAGATGACCCACAGAGTGGAGAACTGCCTTCTGAAAGGTGGAATCCTACTCAGAATGTG
AGGACTATCCTATTAAGTGAATCTCACTGCTTAATGAGCCCAACACCTTCTCCCAGCC
AATGTCGATGCTTCAGTTATGTTTCAGGAAATGGAGAGACAGTAAAGGAAAAGACAAGAA
TATGCTGAAATTATTAGGAAACAAGTTTCAGCCACTAAGGCCGAAGCAGAAAAGGATGGA
GTGAAGGTCCCCACAACCCTGGCGGAATACTGCATCAAACTAAAGTGCCTTCCAATGAC
AACAGCTCAGATTTGCTTTACGACGACTTGTATGATGACGACATTGATGATGAAGATGAG
GAGGAGGAAGATGCCGACTGTTATGATGATGATGATTCTGGGAATGAGGAGTCGTGA
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Clone variation with respect to NM_017811.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_017811 unedited GATTTTGTAAACACGACTTCACTATAGNNGGCGGCCGCGCAATTCGGCACGAGGCCCGGC CGGTGCGTGAGGACTGGGGCCCGGGCCCGCGCCGCGCCGCGCCGCGCCGCGATGGC CCAGCAGCAGATGACCAGCTCGCAGAAGGCCCTGATGCTCGAGCTGAAATCCCTGCAGGA GGAACCGGTGGAGGGCTCCGGATCACCTGGTGTCTAGTCCGACCTCAACTGGG AGGTGGCCATCTTCGGACCCCAACACCCTCTACGAAGGCGGCTACTTCAAGGCGCATA TTAAATTTCTATTGACTACCCCTATTCACCACCTACCTTCAGATTCTTGACAAAATGT GGCACCCCAACATTTATGAGAATGGAGATGTATGCATTTTCGATTCTTCATCCGCCTGTAG ATGACCCACAGAGTGAGAACTGCCTTCTGAAAGTGGAATCCTACTCAGAATGTGAGGA CTATCCTATTAAGTGTAATCTCACTGCTTAATGAGCCCAACACCTTCTCCCAGCCAATG TCGATGCTTCAGTTATGTTTCAAGAAATGGAGAGACAGTAAAGGAAAAGACAAAGAATATG CTGAAATTATTAGGAAACAAGTTTCAGCCACTAAGGCCGAAGCAGANAAGGATGGAGTGA AGGTCCCCACAACCTGGCGGAATACTGCATCAAACTAAAGTGCCTTCCAATGACAACA GCTCAGATTTGCTTACGACGACTTGTATGATGACGACATTGATGATGAAGATGAGGAGG AGGAAGATGCCGACTGTTATGATGATGATGATTCTGGGAATGANGAGTCGTGACGTGCTC CTTCAGTGCCCTGTACTGCCCTGCCATCTCAAGCCCAAAGGAGGGGAGCAAGTGNGAC CTGGCCATGGCCCTTCAGCAAACCTATCACAGCGGTGGGGGAACACACCAGCTCCTGCTG ACTCCTTTATGGACTCAGTTGGCTCTTTTTAGGCN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_017811 unedited TATCGAGAGCCGCAATCTANAGTCGAGTTTTTTCTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTCTATGGAAAGTATGAATATTTTTCAGGCTTTCGATCCCAATCGATTTCAAAA ACAAAGTCTGATTTCTCTCCTCAAAGCAGCTGAGGCCTCCATGTTACGATGGTTTCATGG AGATTGAAGGAGCACATTTTCATCAGGCTTAGCACAAAGTCCCTGATGCCACCATGTCCC AGCCTTAGGAAAGGAAAGAAACAGAATTCACCACCATGGGGCTGAACGAATGCACACACA CTAATGTAATGAGCAGCTAAACCTTGGCAAATTTGTTTTTTTTTTTTTTTTTAAAGTTTGT TTTGGGGTTTTTTTCCATTTTCTTTTGTACCCAGTATATGCAGCACTTGTGAACCTCC AACAGGTTCCCAGCTTTAAACACATTAACATCTTGAAGACTATTGAATTTTCAAAA TCTAAAAACAGACCAAACGTGTTTTGCTGTGAACATTCTGTA AAAAACAAGTGAGGCGGG AGTTTGGGTTTCATGTTTTTAAAAAAGAATCAATATAGTGTGAAGGGTAAAGAATGC AAAAATTCAAACATTCTGTGGAGGTTACTCTCTCCATTAAGGCCCATAAAAAGGAG CAAACCTGAGATCCATAAGGGGAGTCAGCAGGAGCTGTGTGTGTTTCCCCACCCGCTGTGA ATAGGTTTTTGTGAGGGGCCATGGCCAGTTCCCACTTGTCTCCCTCCCTTTTGCCTGA GATGCAGGCCATCACGGGCACTGAAAGAGCACGTTACGACTCCTCATTCCAGATTATT ATTATCATAACAGTCGGTATCTTCTCCTCCTCATTTCATCATCATGGGNAATCAACAAG NCGCCGAAAACAAATCTGACTGTTGTCATTGGAAGGCATTATTTTGTGAGGCACTATCCCG CAGGGTGTGGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_017811
Insert Size:	1530 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_017811.3 , NP_060281.2
RefSeq Size:	4457 bp
RefSeq ORF:	717 bp
Locus ID:	54926
UniProt ID:	Q712K3
Cytogenetics:	9p13.3
Domains:	UBCc
Protein Pathways:	Ubiquitin mediated proteolysis
Gene Summary:	Protein kinase CK2 is a ubiquitous and pleiotropic Ser/Thr protein kinase involved in cell growth and transformation. This gene encodes a protein similar to the E2 ubiquitin conjugating enzyme UBC3/CDC34. Studies suggest that CK2-dependent phosphorylation of this ubiquitin-conjugating enzyme functions by regulating beta-TrCP substrate recognition and induces its interaction with beta-TrCP, enhancing beta-catenin degradation. [provided by RefSeq, Jul 2008]