

Product datasheet for **SC315135**

UBE3B (NM_130466) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBE3B (NM_130466) Human Untagged Clone
Tag: Tag Free
Symbol: UBE3B
Synonyms: BPIDS; KOS
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_130466, the custom clone sequence may differ by one or more nucleotides

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ATGTTCCACCTGTCTCAGACCTCGAGAGCATGGTTCATCGATAGAGCCCGTCAGGCACGA  
GAAGAAAGGCTTGTGCAGAAGGAACGGGAGCGGCAGCTGTTGTGATCCAGGCCCATGTC  
CGGAGTTTTCTGTCTCGGAGTGCAGTGCAGAGAGATATCAGGAGAGAGATTGATGACTTT  
TTTAAAGCAGATGACCCTGAGTCCACTAAAAGAAGTGCACCTTTGTATTTTCAAGATTGCC  
AGGAAACTGCTGTTCTATTTCAGAAATCAAAGAGGATAATGAGAGATTTGAGAAGTTGTGT  
CGCAGCATCCTGAGCAGCATGGATGCTGAGAATGAGCCTAAGGTGTGGTATGTGTCCCTG  
GCTTGTCTAAGGACCTCACCTCCTTTGGATTCAACAGATCAAGAACATTTTGTGGTAC  
TGCTGTGATTTTCTCAAGCAGCTCAAGCCTGAAATCCTGCAGGACTCCCGACTCATCACC  
CTGTACCTCACGATGCTTGTACCTTCACAGACTTCAACGTGGAAAATTTCTTCGGGGA  
AAAGGTGAAAGTCTTCGACCAGCGATGAACCACATTTGTGCAAATATAATGGGACATCTC  
AACCAGCATGGATTTTATTCTGTGCTGCAGATATTGTTAACCCGTGGCCTGGCAAGACCC  
CGTCTTGTCTATCCAAAGGCACCTTAAACAGCAGCTTTTTCTCTAGCGTTACGCCCTGTG  
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CCTGCTCTGGTGACTCATCTCAGCACAGTGACCCTGAGCGCCTCACTGTTTTAGAAATCC  
CATGACATGCTTCGTAATTCATCATATTTTTAAGAGACCAAGATCGATGCCGTGATGTA  
TGTGAAAGTTTAGAAGGATGCCATACGCTTTGTCTAATGGGCAACCTCCTACACTTGGGC  
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CGGAATATTCTCAGGCCGTGTCGGGGTAAACGGGTCGACTCTGCAGAAGTCCAGAAGTT  
TGCAACATCTGTGCTCTACCAGACCTCGCTGACAACCTCTCACACAGATTTCGGCTGCAG  
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GAGCTCGGGCCCCACGGAGGGTTAAAGCTCTTCTTGAATGCCTGAACAATGACACTGAA  
GAGTCCAAGCAACTCTTGGCCATGCTGATGCTGTTCTGTGACTGTTTCGGGCACCTCATC  
ACAATCCTTGATGACATTGAAGTTTATGAAGAACAGATTTCAATCAAACCTGGAAGAGCTG  
GTCACTATCTCCTCTTCTGAATTCTTTGTGTTAAGATGATCTGGGATGGAATTGTA
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GAGAACGCCAAGGGTGAGACCTTGGAGCTGTTCCAGTCTGTCCACGGGTGGCTTATGGTG
 CTGTACGAGCGGGACTGCCGGCGCGCTTACCCCCGAGGACCACTGGCTGCGAAAGGAT
 CTCAAACCTAGCGTGCTCTTCCAAGAACTCGACAGGGACAGAAAACGGGCACAGTTGATC
 CTGCAGTACATCCACATGTCATCCCTCACAAAAACAGAGTTCTACTGTTTCGAACCATG
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 GTCTACTACGGTGGTTTTCCATGGAAGTCACAGAGTCATCATCTGGCTCTGGGATATTCTG
 GCCTCCGACTTCACACCGGATGAGAGAGCTATGTTTCTGAAGTTCGTGACCAGCTGCTCC
 AGACCCCGCTCCTGGGATTCGCCTACCTCAAGCCTCCATTCTCCATCCGCTGCGTGGAG
 GTGTCGGACGATCAGGACACCGGGGACACTCTGGGCAGCGTCTCCGGGGCTTCTTACC
 ATCCGCAAGCGGGAGCCAGGCGCGCCCTGCCACCTCCTCCACTGCTTCAACCTGCTC
 AAGCTGCCCAACTACAGCAAGAAGAGCGTCTCCGCGAGAAGCTGCGCTACGCCATCAGC
 ATGAACACGGGCTTTGAACTCTCC

- Restriction Sites:** Please inquire
- ACCN:** NM_130466
- 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:**
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_130466.2](#), [NP_569733.2](#)
- RefSeq Size:** 5753 bp

RefSeq ORF: 3207 bp

Locus ID: 89910

UniProt ID: [Q7Z3V4](#)

Cytogenetics: 12q24.11

Protein Families: Druggable Genome

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: E1 ubiquitin-activating enzymes, E2 ubiquitin-conjugating enzymes, and E3 ubiquitin-protein ligases. This gene encodes a member of the E3 ubiquitin-conjugating enzyme family which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme and transfers the ubiquitin to the targeted substrates. A HECT (homology to E6-AP C-terminus) domain in the C-terminus of the longer isoform of this protein is the catalytic site of ubiquitin transfer and forms a complex with E2 conjugases. Shorter isoforms of this protein which lack the C-terminal HECT domain are therefore unlikely to bind E2 enzymes. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2012]

Transcript Variant: This variant (1) represents the longest transcript, and encodes the longer protein (isoform 1). Variants 1 and 3 encode the same protein (isoform 1).