

Product datasheet for **SC111701**

UBE2H (NM_003344) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2H (NM_003344) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBE2H
Synonyms:	E2-20K; GID3; UBC8; UBCH; UBCH2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_003344 edited ATGTCATCTCCCAGTCCGGGCAAGAGGCGGATGGACACGGACGTGGTCAAGCTCATCGAG AGTAAACATGAGGTTACGATCCTGGGAGGACTTAATGAATTTGTAGTGAAGTTTTATGGA CCACAAGGAACACCATATGAAGGCGGAGTATGGAAAGTTAGAGTGGACCTACCTGATAAA TACCCTTTCAAATCTCCATCTATAGGATTCATGAATAAAATTTCCATCCCAACATTGAT GAAGCGTCAGGAAGTGTGTCTAGATGTAATTAATCAAACCTGGACAGCTCTCTATGAT CTTACCAATATATTTGAGTCCTTCTGCCTCAGTTATTGGCCTATCCTAACCCCATAGAT CCTCTCAATGGTGACGCTGCAGCCATGTACCTCCACCGACCAGAAGAATACAAGCAGAAA ATTAAGAGTACATCCAGAAATACGCCACGGAGGAGGCGCTGAAAGAACAGGAAGAGGGT ACCGGGGACAGCTCATCGGAGAGCTCTATGTCTGACTTTTCCGAAGATGAGGCCAGGAT ATGGAGTTGTAG



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003344 unedited</p> <pre> ATTTTGTAAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGCCTCGTGCCGAA TTCGGCACGAGGACCATGTCATCTCCAGTCCGGGCAAGAGGCGGATGGACACGGACGTG GTCAAGCTCATCGAGAGTAAACATGAGGTTACGATCCTGGGAGGACTTAATGAATTTGTA GTGAAGTTTTATGGACCACAAGGAACACCATATGAAGGCGGAGTATGGAAAGTTAGAGTG GACCTACCTGATAAATACCCTTTCAAATCTCCATCTATAGGATTCATGAATAAAATTTTC CATCCCAACATTGATGAAGCGTCAGGAAGTGTGTCTAGATGTAATTAATCAAACCTGG ACAGCTCTCTATGATCTTACCAATATATTTGAGTCCTTCCTGCCTCAGTTATTGGCCTAT CCTAACCCCATAGATCCTCTCAATGGTGACGCTGCAGCCATGTACCTCCACCGACCAGAA GAATACAAGCAGAAAATTAAGAGTACATCCAGAAATACGCCACGGAGGAGGCGCTGAAA GAACAGGAAGAGGGTACCGGGGACAGCTCATCGGAGAGCTCTATGTCTGACTTTTCCGAA GATGAGGCCCAGGATATGGAGTTGTAGTAGAAAAAGCACCTGCTTTTCAGAAAGACTATT ATTTCTAACCATGAGAAGCAGACTATAATATTCATATTTAAACCAAAGCATTTTTTTTTA TTACTAAACAAGTTTTTATGAATAATAGCATTGATATATATATATATATATACACCTT TAGATCTTGATTTCTTGGTCATTTCTCAACCTGAGGTGCATAGCATATTTCCACATTCCA TTTGGTAGCAATATGCGGTCTGAATGCATGCATTATGAGTCC </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003344 unedited</p> <pre> ATTTGGCCCGCGGCCGATTTTANATCGAGTTTTTTTTTTTTTTTTTAAAGAAACCTTTT GCTTTTGGCCGTAATTAACATAAAGGAGGGAAATCTTTGTCTTTTTATTTAGGAAAATA ATCATGCTAAAAGCAAGTTGTACTTTATATAGATTTTCAAACAAAAGATTGATTGTGCTT TTTGAATAAAAAAGATAGGGTATCTTCCAACTCATTTTTTTAAACCTTGTGGAATACAG CACTTGTAAACTAAAAACTCTTTTTAAAGAAAATTAATAATCCCAGTGGGATGCTC AAAAATCGTCTTTAGAAGTTTTAGGATTGGCTAATTCTGCTATTATCTTATTGGCTGCG GCAAAAAAAGAACACAGAGCTGTCTAAAATTTCTCCAACTCCCCTCCGAGTTACAGC AGGCAACTCAGATTTGAAAGAACTCTGCAGCAACCTGGACATATGGTTAGCTGAGTC GACATTTGATTAGCAGGCATTTTAACTGATTTCTCTTAACATACGCAGGAGAGAAAAC ATTCTCTCTGCAGGGCATGTTCTACTACATCATATTTCTGAATCCCTTCTTCTATTC GGTCACTCTCTGAAAAAGCTGGTTTTGNTTTTCCCATGTAGAATCACTCTGGGTACAAGA ACTTTTATTTGTCCAATTATTATTGCTTTTAAATTTAGAACCTGGTGTGGGGTCTAAAA TACCATTTCCCACTCCCACCACATATGATGACCAAGCCTGCTGCCAAGAGCCACCAAAA AAGGGGAAACCAACCCCGACATGAAGGCCAGGTCCCAAGGGTTTTGGAGTCACCCAGGG GGTCGGTCTTCTCAGGCTTAAGGCCATGAACCGCTTGTCAAGGAGGCGCCGCTCTTG GCAGGGAAAAAAATTTGGAACCTTTTTTGCCATTCCCCACCCCCCCCCAAAAAAT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_003344
Insert Size:	310 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_003344.2](#), [NP_003335.1](#)

RefSeq Size: 2728 bp

RefSeq ORF: 552 bp

Locus ID: 7328

UniProt ID: [P62256](#)

Cytogenetics: 7q32.2

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. The encoded protein sequence is 100% identical to the mouse homolog and 98% identical to the frog and zebrafish homologs. Three alternatively spliced transcript variants have been found for this gene and they encode distinct isoforms. [provided by RefSeq, Feb 2011]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). **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.