

Product datasheet for **SC127291**

UBE2H (NM_182697) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2H (NM_182697) 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 within SC127291 sequence for NM_182697 edited (data generated by NextGen Sequencing)

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ATGTCATCTCCCAGTCCGGGCAAGAGGCGGATGGACACGGACGTGGTCAAGCTCATCGAG
AGTAAACATGAGGTTACGATCCTGGGAGGACTTAATGAATTTGTAGTGAAGTTTTATGGA
CCACAAGGAACACCATATGAAGGCGGAGTATGGAAAGTTAGAGTGGACCTACCTGATAAA
TACCCTTTCAAATCTCCATCTATAGATCTTACCAATATATTTGAGTCCTCCTGCCTCAG
TTATTGGCCTATCCTAACCCCATAGATCCTCTCAATGGTGACGCTGCAGCCATGTACCTC
CACCGACCAGAAGAATACAAGCAGAAAATTAAGAGTACATCCAGAAATACGCCACGGAG
GAGGCGCTGAAAGAACAGGAAGAGGGTACCGGGGACAGCTCATCGGAGAGCTCTATGTCT
GACTTTTCCGAAGATGAGGCCAGGATATGGAGTTGTAG
```

Clone variation with respect to NM_182697.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_182697 unedited
 TTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGAGGCCGACTGAG
 CAGGAGTCGTCCGCTTATAGTGGAGGCTGCTAGGAGCCGGTCAGAGGGTGAGTGGGGAGC
 AGGCGAGCGAGCCACAGCAGGCAGGAGGGAGCGTCGCGCGGCGCAGAGGAGCGCCGGGGC
 ATGGCCGCGGGGAACACAGCCGGAGAGGGGCAGCCGAGCCGGGGCGCCGAGGGTCCC
 CACCCCAACCCGGCCGGACAGTGCCCGGTGTTCCCCCGTGCGGGGGGCGCGCGCGGCGG
 TGACGGGACCCGCGGACCGCGGGGGTGTGCCACCTCCACCGAGGAGCCGGCGCGGTGCG
 CGGGCTCCTCAGAGCCGGGGCCCGGGCCCGTGACAGACGGTCCGAGGAATGGAGAGAGG
 CGGCGGCGACACCATGTATCTCCAGTCCGGGCAAGAGCGGATGGACACGGACGTGGT
 CAAGCTCATCGAGAGTAAACATGAGGTTACGATCCTGGGAGGACTTAATGAATTTGTAGT
 GAAGTTTTATGGACCACAACGAACACCATATGAAGGCGGAGTATGGAAAGTTAGAGTGG
 CCTACCTGATAAATACCCTTTCAAATCTCCATCTATAGGATTCATGAATAAAATTTTCCA
 TCCCAACATTGATGAAGCGTCACGAACGCGTGTCTAGATGTAATTAATCAAACCTGGAC
 AGCTCTCTATGATCTTACCAATATATTTGAGTGTCTGCTGCTCAGTTATTGGCCTATCC
 TAACCCCATAGATCCTCTGCATGGATGACGCTGCAGGCATGTACCTTCACCGACCAGATG
 AATACAGCNAAATATGAAGAGTGCAATTCAGAATTACGCACNGGAGGATGCCTGCAAGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_182697 unedited
 ACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTAAAAAAACCTTTTGC
 TTCATGCCGTAATTAACATAAAGTAAGTAAATCTTTGTCTTTTTATTTAGGAAAATAA
 TCATGCTAAAAGCAAGTTGTAAGTATATAGATTTTCAAACAAAAGATTGATTGGGCTTT
 TTGAATAAAAAAGATAGGGTATCTTCAAACCTCACTGACTTAAACCTTGGAATACAGC
 ACTTCTAAACTAAAAACACAGTCAAAAAGAAAATTAATAATCCCAGTGGGATGCTCA
 AAAATCGTCTTTAGAAGTTTTAGGATTGGCTAATCTGCTATTATCTTATTGGCTGCGG
 CAAAAAAGAACACAGAGCTGCTGTCTAAAATTTCTCAAACCTCCCTCCGAGTTCAGCA
 GGCAACACTCAGATTTGAAAGAACTCTGCAGCAACCTGGACATATGGTTAGCTGAGTCG
 ACATTTGATTAGCAGGCATTTTAAACTGATTTCTCTTAACATACGCAGGAGAGAAAAACA
 TTTTCTTCTGCAGGGCATGTTCTACTACATCATATTTCTGAATCCCTTCTTCTATTTCG
 GTCACTCTCTGAAAAAGCTGGTTTGTTCATGTAGAACTACTCTGGGTACAAGAA
 CCTTTATTTTGTCCATTATTATTTGTTTAAATNTAGAACCCTGTGTTGGGTCTAANATA
 CCCATTTCCACTCCCACCAGCAGATGATGACCAAGCTGCTGCCAGAGCAGGAGAAAAA
 GGGAAAACCTAACATAACTGTAGGCCAGTACCCAGGCCTTTGCATTCCCACGTGGGTCG
 CCTCCTAAGTTTAAATGCTCATGACCGCTTGTCCACGAAGCGGCCCTTTGGTAGGGAAT
 ATAAATCTGAACCTTTTTAAACAN

Restriction Sites:

NotI-NotI

ACCN:

NM_182697

Insert Size:

2820 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_182697.1](#), [NP_874356.1](#)

RefSeq Size: 2635 bp

RefSeq ORF: 459 bp

Locus ID: 7328

UniProt ID: [P62256](#)

Cytogenetics: 7q32.2

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 (2) lacks two consecutive in-frame exons in the coding region, as compared to variant 1. The resulting isoform (2) lacks an internal segment, as compared to 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.