

## Product datasheet for **SC216901**

### **UBE3A (NM\_000462) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	UBE3A (NM_000462) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	UBE3A
Synonyms:	ANCR; AS; E6-AP; EPVE6AP; HPVE6A
ACCN:	NM_000462
Insert Size:	1933 bp



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**Insert Sequence:** >SC216901 3'UTR clone of NM\_000462  
The sequence shown below is from the reference sequence of NM\_000462. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
ACGTATGCCAAAAGGATTTGGCATGCTGTAAACAAAACAAAACAAAATAAAACAAAAAAGGAAGGAA
AAAAAAGAAAAATTTAAAAATTTTAAAAATATAACGAGGGATAAATTTTTGGTGGTATAGTGTCC
CAGTACAAAAGGCTGTAAAGATAGTCAACCACAGTAGTACCTATGTCTGTGCCTCCCTTCTTTATTGG
GGACATGTGGGCTGGAACAGCAGATTTAGCTACATATATGAACAAATCCTTTATTATTATAATTA
TTTTTTGCGTGAAAGTGTACATATTTCACTTGTATGTACAGAGAGTTTTCTGAATATTTATT
TTAAGGGTTAAATCACTTTTGTGTGTTTACTGCTTGAGGTTGAGCCTTTTGAGTATTTAAAAA
TATATACCAACAGAACTACTCTCCAAGGAAAAATTGCCACCATTTGTAGACCAGTAACTTCAAGT
ATGTGCTACTTTTTGTCCCTGTATCTAACTCAAATCAGGAAGTATTTTTTTAATGATTTGCTTTT
GAAACTTGAAGTCTTGAAAACAGTGTGATGCAATTACTGCTGTCTAGCCCCAAAGAGTTTTCTGTGC
AAAATCTTGAGATCAATCAATAAGAAAGATGGAAGGAGGGAGAAATTGGAATGTTTTAACTGCAGC
CCTCAGAACTTTAGTAACAGCACAAATAAAAAACAAAACAACTCATGCCACAGTATGTCGTCTTC
ATGTGCTTGCAATGAACTGTTTCAGTAGCCAATCCTCTTTCTTAGTATATGAAAGGACAGGGATTTT
GTTCTTGTGTTCTCGTTGTTGTTTTAAGTTTACTGGGAAAGTGCATTTGGCCAAATGAAATGGTAGT
CAAGCCTATTGCAACAAAGTTAGGAAGTTGTTGTTGTTTATTATAAACAAAAGCATGTGAAAGTGC
ACTTAAGATAGAGTTTTTAAATTACTTACTTATTACCTAGATTTTAAATAGACAATCCAAAGCTCC
CCTTCGTGTTGCCATCATCTTGTGAATCAGCCATTTTATCGAGGCACGTGATCAGTGTGCAACATAA
TGAAAAAGATGGCTACTGTGCCTTGTGTTACTTAAATCATACAGTAAGCTGACCTGGAAATGAATGAAAC
TATTACTCTAAGAATTACATTGTATAGCCCCACAGTAAATTTAATTAATTAATTCAAAACATGTTA
AACGTTACTTTTCACTATGTAAGTACAAGTAGGTTTACATTACTGATTTCCAGAAGTAAAGTAGT
TTCCCTTTTCTAGTCTTCTGTGATGTGATGTTGTTAATTTCTTTTATTGCATTATAAAAATAAAGGA
TTATGATTTTTAACTAAGGTGAGACATTGATATATCCTTTTGTACAAGCTATAGCTAATGTGCTGAG
CTTGTGCCTTGGTGATTGATTGATTGACTGATTGTTTTAACTGATTACTGTAGATCAACCTGATG
ATTTGTTTGTGAAATTTGCAAGGAAAAATGCAGCTTTCAAATCATTGGGGGAGAAAAAGGATGTCTT
TCAGGATATTTTAAATTTTTTTCATAATTGAGACAGAAGTGTGTTATGTACCATAATGCTAAA
TAAAACGTGGCACTTTTCAACATAATTTAATTTAGTGAAAAAGACAATGCTTTCCATATTGTGA
TAAGGTAACATGGGGTTTTCTGGGCCAGCCTTTAGAACACTGTTAGGGTACATACGCTACCTTGATGA
AAGGGACCTTCGTGCAACTGTAGTCATCTTAAAGGCTTCTCATCCACTGTGCTTCTAATGTGTAATTA
AAGTGAGGAGAAATTAATACTCTGAGGGCGTTTTATATAATAAATTCGTGAAGAAATGTGTGCTCTTCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_000462.5](#)

**Summary:**

This gene encodes an E3 ubiquitin-protein ligase, part of the ubiquitin protein degradation system. This imprinted gene is maternally expressed in brain and biallelically expressed in other tissues. Maternally inherited deletion of this gene causes Angelman Syndrome, characterized by severe motor and intellectual retardation, ataxia, hypotonia, epilepsy, absence of speech, and characteristic facies. The protein also interacts with the E6 protein of human papillomavirus types 16 and 18, resulting in ubiquitination and proteolysis of tumor protein p53. Alternative splicing of this gene results in three transcript variants encoding three isoforms with different N-termini. Additional transcript variants have been described, but their full length nature has not been determined. [provided by RefSeq, Jul 2008]

**Locus ID:**

7337

**MW:**

74.2