

## Product datasheet for **SC304452**

### UBN1 (NM\_016936) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** UBN1 (NM\_016936) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** UBN1  
**Synonyms:** VT; VT4  
**Vector:** pCMV6 series

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_016936, the custom clone sequence may differ by one or more nucleotides

```
ATGTCGGAGCCCCACAGGGTCCAGTTCACCTCTCTCCCAGGTTCCCTGAATCCTGCGTTT
TTGAAGAAGTCCCGAAGGAGGAGGCTGGGGCAGGAGAACAGCATCAGGACTGTGAGCCG
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AAGAAGAAGAAAAAGATGACACTTATGACAAGGAGAAGAAATCGAAAAAGTCCAAGTTT
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AAAAGGGAGGAGGAGCATAAGCCTGTTGCGGTCCCATCAGCGGAAGCTCAGGGCCTGCGG
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CAGAAGTTCTTACCCAGGATATTAATGGAATCCTATTAGACATAGAGGCGCAGACTCGG
GAGCTGAGCAGTCAGGTCGCTCTGGGGTGTATGCCTATCTTGCCTCATTCTGCCCTGC
AGCAAGGATGCCCTGCTCAAGCGTGTCTCGGAACTTCACTCTATGAACAGGGGGCCGT
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GAGCTACTGTGCCAGGTGGTGAAGATCAAACCTGGAGAGCCAGGACCTGGAGAGGAACAAC
AAAGCCCAGGCTTGGGAGGACTGTGTGAAGGGCTTTCTGGATGCGGAAGTCAAGCCCCTC
TGGCCAAAGGCTGGATGCAGGCCAGAACTCTGTTAAGGAGAGCAGACGAGGCCATGGG
```



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CACCTGACTTCAATCCTGGCCAAGAAGAAAGTTATGGCCCTTCTAAAATCAAGGTGAAG  
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 ATTGCTTTGCCCTCAGATCACCAAACAGGAGGCCTGAGTATTGGGGCCTCGAGCAGGGAG  
 CTCCCATCCCAGGCATCGGGCGGCCTTGCTAACCTCCTCCTGTCAACCTGGAGGACTCA  
 TTGGATGAAGACTTGATCCGCAATCCAGCCTCCTCGGTGGAAGCCGTGTCCAAGGAATTG  
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 ACCTCAGGAGGCCTGTCAGCCTCCAGCAGCAGCTCTACAAGACCCAGCCTCGTCTCT  
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 TCCCAGAAGTTGACTCTGGTAGCCCTCCAGGCGGTCCAAACGGAGATTCCAGTGGTGGG  
 ACCCAGGGAGTGGCAAAGTTGCTGACCTCGCCGTCCCTAAAGCCCTCTGCAGTTAGTAGT  
 GTGACATCGTCTACCTCCTTGTCAAAGGAGCGAGTGGGACTGTGCTGCTGGCCGGCTCC  
 TCTTTGATGGCTTACCCTACAAATCCAGCAGCCCAAAGCTGTCTGGGGCCATGAGCTCG  
 AACCTCTTGGGAATTATAACCCCTGTCCCTATTCTGTCCATGTGCTCTCCTTCAGCGCT  
 GACTCCTCTGCCAAAGCAGGGGTCTCAAAGGATGCCATCGTCACAGGCCCTGCCCCGGG  
 TCCTTCCACCATGGCCTTGGCCACAGTCTTCTGGCTGGCTTGCCTCCAGCCCGCCCAT  
 GCAGCGCCTCTCCACACGCTGCGGTGCCACCCATATCCCGCAGAGTCTGCCAGGTGCT  
 TCTCAGCTTACGGGAAAGGCCCTGCTGTACCACGAAATTGTGA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_016936

**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\\_016936.2](#), [NP\\_058632.1](#)

RefSeq Size: 6334 bp

RefSeq ORF: 3405 bp

Locus ID: 29855

Cytogenetics: 16p13.3

**Gene Summary:** Cellular senescence is a hallmark of tumor suppression and tissue aging. Senescent cells contain domains of heterochromatin, called senescence-associated heterochromatin foci (SAHF), that repress proliferation-promoting genes. The protein encoded by this gene binds to proliferation-promoting genes and is required for SAHF formation, enhancing methylation of histone H3. [provided by RefSeq, Oct 2016]