

## Product datasheet for **SC337866**

### UBN1 (NM\_001288656) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UBN1 (NM_001288656) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBN1
Synonyms:	VT; VT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001288656, the custom clone sequence may differ by one or more nucleotides

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ATGTCGGAGCCCCACAGGGTCCAGTTCACCTCTCTCCAGGTTCCCTGAATCCTGCGTTTTTGAAGAAGT
CCCGAAGGAGGAGGCTGGGCGAGGAGAACAGCATCAGGACTGTGAGCCGGCTGCAGCAGCTGTTCCGGAT
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TCCAAAGAAGCGGAAGTTGAAGGAAGGTGGTGAGAAGATAAAGAAGAAGAAAAAAGATGACACTTATGAC
AAGGAGAAGAAATCGAAAAAGTCCAAGTTTTCCAAGCCGGCTTACAGCCCTCAATGCCAGTAAGGAGA
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ATTTGTTCCGATGAGGAAGAAGATGAAGAAAAAGGGGCAGGAGGATAATGGGACCTCGGAAGAAGTTCC
AATGGAATGATGAGATCAGGGAGCTACTGTGCCAGGTGGTGAAGTCAAAGTGGAGAGCCAGGACCTGGA

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GAGGAACAACAAAGCCCAGGCTTGGGAGGACTGTGTGAAGGGCTTCTGGATGCGGAAGTCAAGCCCTC  
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 TAAAAAGTTTCTGTCCCATCAGGACAGATTGGTGGCCCCATTGCTTTGCCCTCAGATCACCAAACAGGA  
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 CTGTCAACCTGGAGGACTCATTGGATGAAGACTTGATCCGCAATCCAGCCTCCTCGGTGGAAGCCGTGC  
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 TCCTGGCATAACGCTCCCTCCGTGGGACAGGCCACCAGCCGACCCGTCCTCAAGTTCAGCAGGGAAAAA  
 AATGCCTGTTTCCAGAAGTTGACTCTGGTAGCCCTCCAGGCGGTCAAACGGAGATTCAGTGGTGGG  
 ACCCAGGGAGTGGCAAAGTTGCTGACCTCGCCGTCCTAAAGCCCTCTGCAGTTAGTAGTGTGACATCGT  
 CTACCTCCTTGTCAAAGGAGCGAGTGGGACTGTGCTGCTGGCCGGCTCCTTTTGTAGTGGCTTACCCTA  
 CAAATCCAGCAGCCAAAGCTGTCTGGGGCCATGAGCTCGAACTCCTTGGGAATTATAACCCCTGTCCCT  
 ATTCTGTCCATGTGCTCTCTCAGCGCTGACTCCTCTGCCAAAGCAGGGGTCTCCAAGGATGCCATCG  
 TCACAGGCCCTGCCCCGGGTCTTCCACCATGGCCTTGCCACAGTGTCTCTCAGCTTACGGGAAAGG  
 GCCTGCTGTACCACGGAATTGTGA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001288656
- 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\\_001288656.1](#), [NP\\_001275585.1](#)
- RefSeq Size:** 5652 bp
- RefSeq ORF:** 3315 bp
- Locus ID:** 29855

UniProt ID: [Q9NPG3](#)

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]  
Transcript Variant: This variant (3) differs in the 5' UTR and lacks an in-frame exon in the 3' coding region, compared to variant 2. The encoded isoform (b) is shorter, compared to isoform a.