

## Product datasheet for **SC203678**

### **APEX1 (NM\_001641) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** APEX1 (NM\_001641) Human 3' UTR Clone  
**Symbol:** APEX1  
**Synonyms:** APE; APE1; APEN; APEX; APX; HAP1; REF1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pMirTarget (PS100062)  
**ACCN:** NM\_001641  
**Insert Size:** 273 bp  
**Insert Sequence:** >SC203678 3' UTR clone of NM\_001641

The sequence shown below is from the reference sequence of NM\_001641. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCAAGCGATCGC

CACCCTATACCTAGCACTGTGACACCACCCTAAATCACTTTGAGCCTGGGAAATAAGCCCCCTCAACTA  
CCATTCTTCTTTAAACACTCTTCAGAGAAATCTGCATTCTATTTCTCATGTATAAACTAGGAATCCTC  
CAACCAGGCTCCTGTGATAGAGTTCTTTAAGCCCAAGATTTTTATTTGAGGGTTTTTGTTTTTTAAA  
AAAAAATTGAACAAAGACTACTAATGACTTTGTTGAATTATCCACATGAAAATAAGAGCCA

ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG

**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\\_001641.2](#)



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**Summary:**

The APEX gene encodes the major AP endonuclease in human cells. It encodes the APEX endonuclease, a DNA repair enzyme with apurinic/apyrimidinic (AP) activity. Such AP activity sites occur frequently in DNA molecules by spontaneous hydrolysis, by DNA damaging agents or by DNA glycosylases that remove specific abnormal bases. The AP sites are the most frequent pre-mutagenic lesions that can prevent normal DNA replication. Splice variants have been found for this gene; all encode the same protein. Disruptions in the biological functions related to APEX are associated with many various malignancies and neurodegenerative diseases.[provided by RefSeq, Dec 2019]

**Locus ID:**

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