

Product datasheet for **SC204804**

APEX2 (NM_014481) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	APEX2 (NM_014481) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	APEX2
Synonyms:	APE2; APEXL2; XTH2; ZGRF2
ACCN:	NM_014481
Insert Size:	1652 bp



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Insert Sequence: >SC204804 3'UTR clone of NM_014481
 The sequence shown below is from the reference sequence of NM_014481. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AACTTCTTCTCTGGAGCAGGCCAGCTGAACCAATGGAGGCTGGGACATCTGGCATGGTCACCCCT
GCACATGATCTGAGGCCAGCTCCCTTCCCTGAGCTGCCTCCTGTTCTCCCTCAAAGTCTCCTACCCT
TCTCTTCTCTTTAAGCCCTCTCTTCTCGCTTCTTCTTCTACCTAGCTCCTTGTGGTGGAGCTTCTT
GTGCCCTAATCCTGTGACCCAGCCCTTACACCACTTTCCACCTTCTGTCCGAAGTACACGGACACTA
GCTGCCCCAGGAAGTTGTGTGATTTAAATCACTTCTGTCTTGTGGAAAGTGTATTTGTGCATAAAT
AAAGTCTGTGATTTGTTTCAGGGTTGCACTTTGGACATTGTGGAGGACTCCATAAAGTTGAGTCAGA
GAAGCTATCTCAATACTTGGTTTCCGGCTGGCTGTAGCCCAATGATGTAATCCAGAGAAAGGGGAG
GAGGGAGGGGGAGGAGGAATAGTGAGGCGTGAGCAGCAGTGTCCACCATAAAGGGTCTCTGCTCAG
TTGTAGGAATTTCTGTACGGCTAAGGTGAAATCAGCAAGGAAGGTGGGCTGTGTAGCCTTAAACCAGA
GCTTTCAGCTAGTGCCTCCACAGCTGCCACAGTGGGTACAGGGTTGAAAGAAACGGTCTCAGCCC
TCAGAGTTGCCAGGCAGGGCCTGGGACCACACAAGTTTCAGGGACGATTGCCTCCTTAGCAAGTAGTAT
CATTAGTACCCCTAAGTGTGCCATGGAAATGTTTCTGTATACTGTGACCTGGAAAGTGGGAGCATTGC
TTTGAACACAGTGCTTGTCTAGCCAAGCCTCTTCTCACCTTTGAAAAATGGGACTGGTAGACCAGGCAC
AGTGGTGCACGCCTGTAATCCCAGCACTTTGGGAGGCTGAGATGGGTGGATCACCTGAGGTCAGGAGTT
CGCAACCAGCCTAACATGGTGAGACCCCGTCTCTACTAAATACAAAAAATTAAGTGGGCGTGGTGGCG
CGTGCCTGTAATCCAAGCTACTTAGGAGGCTGAGACAGGAGAATAGCTTGTACCTGGGAGGCGGAGGTT
GCAGTGGGCTGAGATCATGCATTGCACTCCAGCCTGGGCAACAAGAGTGAATTCAGTCTCCAAAAAAA
AAAAAAGAAAAGAAAAGAATGGGACTGGTAAATCCTGTTCTGTGGGATGCCGTGGGAGGAGAGAGGA
TAATGGATTGAGGAAGACATCCATATCCCTTATGAAAAATACCTCTTTGGTTTTGGGAACCACTCCT
TTCTAGGGAATTTGGTTAGGGCTGACTATTTCTGGCTTCCAGGGCTACCCTGGGCCAGATTTCCAG
GGCCCGGATTACCAGTGAAGCGTCAATCCCTGGATTTTTATTGAAACCATTGGAGAAGAGCCATCTCAA
ATAAATCTGCCAAGTATCCTAGCTCTTTGCAACTCACTGTGTAGTTTTGGGCATTTCTTCTCTTTTC
TCATTCTGTTTCCCTGTTGGTAAATGGAATGGTGACCAACAAGTACCTATGGTTACCTCATAGATCT
GCCACTTGTCTGAGGGAGTCAGAATGCACTTGTCTGTTCCCTGTCCAATAAAGGCTTCACATGC
ACGCGTAAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_014481.4](#)

Summary: Apurinic/aprimidinic (AP) sites occur frequently in DNA molecules by spontaneous hydrolysis, by DNA damaging agents or by DNA glycosylases that remove specific abnormal bases. AP sites are pre-mutagenic lesions that can prevent normal DNA replication so the cell contains systems to identify and repair such sites. Class II AP endonucleases cleave the phosphodiester backbone 5' to the AP site. This gene encodes a protein shown to have a weak class II AP endonuclease activity. Most of the encoded protein is located in the nucleus but some is also present in mitochondria. This protein may play an important role in both nuclear and mitochondrial base excision repair. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2012]

Locus ID: 27301

MW: 61.2