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Product datasheet for SC203566

APE1 (APEX1) (NM_080649) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	APE1 (APEX1) (NM_080649) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	APEX1
Synonyms:	APE; APE1; APEN; APEX; APX; HAP1; REF1
ACCN:	NM_080649
Insert Size:	289 bp
Insert Sequence:	>SC203566 3'UTR clone of NM_080649 The sequence shown below is from the reference sequence of NM_080649. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TGTCCTATCACCCTATACCTAGCACTGTGACACCACCCCTAAATCACTTTGAGCCTGGGAAATAAGCCC CCTCAACTACCATTCCTTCTTTAAACACTCTTCAGAGAAATCTGCATTCTATTTCTCATGTATAAAACT AGGAATCCTCCAACCAGGCTCCTGTGATAGAGTTCTTTTAAGCCCAAGATTTTTTATTTGAGGGTTTTT TGTTTTTTAAAAAAAAATTGAACAAAGACTACTAATGACTTTGTTTGAATTATCCACATGAAAATAAAG AGCCATAGTTTCA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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_080649.3

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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: 328

MW: 11.3

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