

Product datasheet for SC211510

Topoisomerase II alpha (TOP2A) (NM_001067) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Topoisomerase II alpha (TOP2A) (NM_001067) Human 3' UTR Clone
Symbol:	Topoisomerase II alpha
Synonyms:	TOP2; TOP2alpha; TOPIIA; TP2A
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001067
Insert Size:	1024 bp
Insert Sequence:	>SC211510 3'UTR clone of NM_001067 The sequence shown below is from the reference sequence of NM_001067. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAAGAGTCAGATGAAGATGATCTGTTTTAAAAATGTGAGGCGATTATTTAAAGTAATTATCTTACCAAGC
CCAAGACTGGTTTTAAAGTTACCTGAAGCTCTTAACCTCCTCCCTCTGAATTTAGTTTGGGAAGGTG
TTTTTAGTACAAGACATCAAAGTGAAGTAAAGCCCAAGTGTCTTTAGCTTTTTATAACTGTCTAAA
TAGTGACCATCTCATGGCATTGTTTTCTCTGCTTTGTCTGTGTTTTGAGTCTGCTTTCTTTTGTCT
TTTAAACCTGATTTTTAAGTCTCTGAACTGTAGAAATAGCTATCTGATCACTTCAGCGTAAAGCAG
TGTGTTTTATTAACCATCCACTAAGCTAAAAGTAGAGCAGTTTGATTTAAAGTGTCACTTCTCTCCTT
TTCTACTTTTCAAGTAGATATGAGATAGAGCATAATTATCTGTTTTATCTTAGTTTTATACATAATTTACC
ATCAGATAGAACTTTATGGTTCTAGTACAGATACTCTACTACACTCAGCCTCTTATGTGCCAAGTTTTT
CTTTAAGCAATGAGAAATGCTCATGTTCTTCTCATCTTCTCAAATCATCAGAGGCCGAAAGAAAAACTT
TGGCTGTGTCTATAACTTGACACAGTCAATAGAATGAAGAAAATTAGAGTAGTTATGTGATTATTTTCAAG
CTCTTGACCTGTCCCCTCTGGCTGCCTCTGAGTCTGAATCTCCAAAGAGAGAAAACCAATTTCTAAGAG
GACTGGATTGCAGAAGACTCGGGGACAACATTTGATCCAAGATCTAAATGTTATATTGATAACCATGC
TCAGCAATGAGCTATTAGATTCATTTTGGGAAATCTCCATAATTTCAATTTGTAACCTTTGTTAAGACC
TGCTACATTGTTATATGTGTGACTTGAGTAATGTTATCAACGTTTTTGTAAATATTTACTATGTTT
TTCTATTAGCTAAATCCAACAATTTTGTACTTTAATAAAATGTTCTAAACATTGCAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

```

Restriction Sites: SgfI-MluI



[View online »](#)

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_001067.4
Summary:	This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This nuclear enzyme is involved in processes such as chromosome condensation, chromatid separation, and the relief of torsional stress that occurs during DNA transcription and replication. It catalyzes the transient breaking and rejoining of two strands of duplex DNA which allows the strands to pass through one another, thus altering the topology of DNA. Two forms of this enzyme exist as likely products of a gene duplication event. The gene encoding this form, alpha, is localized to chromosome 17 and the beta gene is localized to chromosome 3. The gene encoding this enzyme functions as the target for several anticancer agents and a variety of mutations in this gene have been associated with the development of drug resistance. Reduced activity of this enzyme may also play a role in ataxia-telangiectasia. [provided by RefSeq, Jul 2010]
Locus ID:	7153
MW:	39.7