

Product datasheet for **SC200620**

TOP3B (NM_003935) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TOP3B (NM_003935) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TOP3B
Synonyms:	TOP3B1
ACCN:	NM_003935
Insert Size:	119 bp
Insert Sequence:	>SC200620 3'UTR clone of NM_003935 The sequence shown below is from the reference sequence of NM_003935. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC ATGTCAGCCCTGGCCGCCTACTTTGTATGATGACCCTGTCCTCCCTCACCCAGGCTGCAGTGCCATGCA GACACCTCATGGCACTTCAAACCTATTTAAATGCAATTTTATCTTATCCAGA ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
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:	<u>NM_003935.5</u>



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Summary:

This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This enzyme catalyzes the transient breaking and rejoining of a single strand of DNA which allows the strands to pass through one another, thus relaxing the supercoils and altering the topology of DNA. The enzyme interacts with DNA helicase SGS1 and plays a role in DNA recombination, cellular aging and maintenance of genome stability. Low expression of this gene may be related to higher survival rates in breast cancer patients. This gene has a pseudogene on chromosome 22. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Aug 2013]

Locus ID:

8940

MW:

4.4