

Product datasheet for **SC210752**

Topoisomerase III alpha (TOP3A) (NM_004618) Human 3' UTR Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | 3' UTR Clones |
| Product Name: | Topoisomerase III alpha (TOP3A) (NM_004618) Human 3' UTR Clone |
| Symbol: | Topoisomerase III alpha |
| Synonyms: | MGRISCE2; PEOB5; TOP3; ZGRF7 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pMirTarget (PS100062) |
| ACCN: | NM_004618 |
| Insert Size: | 2000 bp |



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Insert Sequence: >SC210752 3'UTR clone of NM_004618
 The sequence shown below is from the reference sequence of NM_004618. 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
ACCCGTCCCTTTTGTCTCAGAACAGATGAGCTCAGGGTAGGAGTACGACACTTTCTCAGACCTG
TCCCTTTGTGTTTAGAAATGAGTTAACCAAGGACCAAGTGGCCATTTAGTGTCTGGAACTTAGAGGA
CAGTGTGGCCTTTGGAGTCGGGCTTCTTGTGTTAAGGGGCACAAGTCCAGATCACTCTGGAGCAGG
CCAGCTCTGCTGGACAGTGACCTCTTCCAGGCCTCAGGAGTGACCATAGCCACTGCTGAAAAGTCAC
GCAGCTGCTCCCTCGACCCCCAAGGATGTTGCTGTTAGCAGAGGATTGGTGCAGTCCAGCTGAAG
CCCCTGTGTGCCAAAGGAAGAAGCTCCAGGGCTGCTTCTTCCACTGCAGAAAGCCCCAAGTGAAGCC
ACCAGCACTCATGGGCAGTCCCTGTCCAGGCTGCCAGGGCTTCTCATAGACGCTCTGAGAAGGACGG
TGTAATGCAAGGAAATGGCTGTGGTAACACTGATCCTTCAAGAAGAAGCTTATTCCCTCTTAATCTAGT
TAAGCCAGGACATCCAGAATTCATTGCTTAAATAAAGAAGCCAGGCCGGTGCAGTGGCTCATGCCTGT
AATCCCAGCACTTTGGGAGGCTGTGGGGGGCGGATTGCCTGAGCTCAGGAGTTCGAGACCAAGCCAGGGC
AACATGGTGAAACCCTGTCTCTACTAAAATACAAAAAATTAGCCAGGTGTGGCGGTGTGCGCCTGTAGA
CCCGGCTACTCAGGAGGCTGAGGCAGGAGAATTGCTTGAACCCGGGAGGCGGAGGTTGCAGTTAGCTGA
GATTGCGCCACTGGACGACAGAGCGAGACTCAGTCTCAAAAAAATTTAAAAATTTAAAAAATAAAAA
GAATCAACCCCGCAGGGCGTGGAGGCTCACACTGTAATCCAGCACTTAGGGAGGCCAAGGCTGGAG
GATTGCTTGAGATCAGGAGTTCAAGACCAGCCTGGGCAACATAGTTAGACCTTGTCTCTATTTTTAAAA
ATATAACAAGCACAGTTGTACACGCTTTAGTTTCACTGCTCAGGAGGCTGAAGTGGGAGGATCCTTTG
AACCCAAGAGTTTGAGGCTGCAGCAAGCCATGATCACACCACTGCACTCCAGCCTGGGTGACAGAGTAA
GACCCTGTCTCAAACTTTTTTTAAAATGAAAGAATCCAACCTTTTTTTACTCTGACCTGCGAGAGTGCA
GAGGGTCTGGGAACATTTGCAGAAGCAACAGGTACCAGCCAGTGTGGAAGGAGCTCACCTGGGAGG
TCTCGTACGCTCTGTCTTTCATGGCTGTCCCTTGTGTCCCATGTGGAGAGCCCTTCTCCCTTTCCAC
ATGGTAAGCACTGAGCCCAATTTCTTCCACCCACAGATGGTCCCTCAGAGCAGAGATGTCTAATGAA
AGGTTTCAAGATTCAGATCACTAATTTCCATCTTCCACTTTTTCCAGTGGTGGCCATGTTCCCTTTG
CCTTACAAAAACCTTGTGAATAATAACAAGCCATATGGACTCTGATTTACAGTTTAGAAGATGAGCAGA
GGTGGGTGTGAGTTGCCAGTCATGTTGCTAGTTGTTGAAGAACTAGGATTGTTCTCAGGTCTTGGGC
TCTGGCCATAGACCAGTGGCTCTGTGTTCTGATGGGGTATTGGGGAGGATTTTACAAATGCAGGTT
CCTGAGATTGTTCTGGAACATCTCCGAGTGGGTGTGGGTGTGGCCCTGCGTGTGATTTTGCCTAT
CCCAGCTCCGGGGTACCACCAACCACTTTTTGTCTCTGTGGGTTTACCTACTCTGGATATTTTGTAA
ATGGAATCATACCAGGCTGGGCACAGTGGCTCACGCCTGTAATCCTAGCACTTTGGGAGGCCAAGGTGG
GCAGATCACTGAGGTCAGGAGTTCGAGACCAGCCTGACCAATATGATGAAACCCCGTCTCTAAAAAA
ACGCGTAAGCGGCCCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_004618.5](#)

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 reducing the number of supercoils and altering the topology of DNA. This enzyme forms a complex with BLM which functions in the regulation of recombination in somatic cells. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016]

Locus ID:

7156

MW:

74.1