

Product datasheet for **SC215986**

SIRT3 (NM_012239) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SIRT3 (NM_012239) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	SIRT3
Synonyms:	SIR2L3
ACCN:	NM_012239
Insert Size:	1698 bp



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Insert Sequence: >SC215986 3'UTR clone of NM_012239
 The sequence shown below is from the reference sequence of NM_012239. 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
ACTGGGAAGCTTGATGGACCAGACAAAATAGGATGATGGCTGCCCCACACAATAAATGGTAACATAGGA
GACATCCACATCCCAATTCTGACAAGACCTCATGCCTGAAGACAGCTTGGGCAGGTGAAACCAGAATAT
GTGAAGTGAAGTGGACACCCGAGGCTGCCACTGGAATGTCTTCTCAGGCCATGAGCTGCAGTGACTGGTA
GGGCTGTGTTTACAGTCAGGGCCACCCCGTACATATACAAAGGAGCTGCCTGCCTGTTTGTGTGTTG
AACTCTTCACTCTGCTGAAGCTCCTAATGGAAAAAGCTTCTTCTGACTGTGACCCTCTTGAAGTGAAT
CAGACCAACTGGAATCCAGACCGAGTCTGCTTTCTGTGCCTAGTTGAACGGCAAGCTCGGCATCTGTT
GGTTACAAGATCCAGACTTGGCCGAGCGGTCCCAGCCCTCTTCATGTTCCGAAGTGTAGTCTTGAGG
CCCTGGTGCCGCACTTCTAGCATGTTGGTCTCCTTTAGTGGGGCTATTTTAAATGAGAGAAAATCTGTT
CTTCCAGCATGAAATACATTTAGTCTCCTCAAAGGGACTGCAGGTGTTGACATGAGTTGAAAGGGAA
CCCTGGGATACGTGGCGTCCCCTCTATTGGAACAGTCTGAGGACTGAAGGCATTTGTCCCTGGATTAT
TGGAGACGGCCAGCTCCTCCTCTGAAGGTGGTACATTCTGTTGACTCTCCATACTCAGCCTCTCCT
CCAGAAACAGATCTGTTCCAGAACATCCAGCACTTTCTATCTGGCCTCCTTGTCCCCACACTACGCC
CCCCACCTCGCCAGGGCTTCTCTAGTGACACTGTTAGAGCTAATCTCTGAGACAGGGAAGGCATTAC
TCACTTAAACCAGGCTGAGTCTGGCCACCTGCTGGATTGTGACATAGGAGGTGGAATCCACTGAAC
TGCTACTTCTGCACAGGCTCCTTCTCCTGGGGCTGTACCCAGGCCAGCCCTGATGGCTCACCCCTGTCA
GGCACCAGCTGCTCCCTCCTGGGCTCTCACCCACCTGCACATCCTCCTTCTAGCATCACATTACCTGC
GTGTTTTCCCAGACAAAAGCACTTCCCATTCTTGAACCTTGCCTACCCTGGGCTGAGCTGACGGAATA
GATTTAATGACAGTGACTCCCAGGAAGGGGCTCCTGTGACTTTGCGCCTTAATAAGAACAAGGTGGA
ATTGGTACCTAGGAAAAGTGTGAATCTAAAAAGAATGAAGTTAGTTTCTAACCTAGTTAATGTTC
CTTTTTTATTTTTGAGTCTTGCCTGTCACTCAGGGTGGAGTGGGTGTTATGATCTCAGCTCACTGC
AACTTCCGCTCCCGGTTAAGCGATTCTCCTGGGTAGCTGGGATTACAGGTGTGTCCACCACACCT
AGCACATGGGCATATTTGTAATAGAGACAAGGTTTTGCTATGTTGGCCAGGCTGGTCTCGAACTCCTGG
CTTCAAGTGATCCACCACCTCGGCTCCCAAAGTGTGGGATTACAGGCATGAGCCACTGTGCCTGGC
CCCTTTATTTGATAATTTACACATACATTTTTGTCCAAAAGTCTTCTTTATTTCAAGATGATGTTTCTG
TGCTATGTGTGGTATGTGGTATAAATCTCAATCTATGGTCA
ACGCGTAAAGCGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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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_012239.6](#)

Summary: SIRT3 encodes a member of the sirtuin family of class III histone deacetylases, homologs to the yeast Sir2 protein. The encoded protein is found exclusively in mitochondria, where it can eliminate reactive oxygen species, inhibit apoptosis, and prevent the formation of cancer cells. SIRT3 has far-reaching effects on nuclear gene expression, cancer, cardiovascular disease, neuroprotection, aging, and metabolic control. [provided by RefSeq, May 2019]

Locus ID: 23410

MW: 63.6