

Product datasheet for **SC216574**

SIRT1 (NM_012238) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SIRT1 (NM_012238) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	SIRT1
Synonyms:	SIR2; SIR2alpha; SIR2L1
ACCN:	NM_012238
Insert Size:	1827 bp



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Insert Sequence: >SC216574 3'UTR clone of NM_012238
 The sequence shown below is from the reference sequence of NM_012238. 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
GACATGAACTATCCATCAAAATAATCATAGTGTAAATAATTGTGCAGGTACAGGAATTGTTCCACCAGCA
TTAGGAACTTTAGCATGTCAAAATGAATGTTTACTTGTGAACTCGATAGAGCAAGGAAACAGAAAAGGT
GTAATATTTATAGGTTGGTAAAAATAGATTGTTTTTTCATGGATAATTTTTAACTTCATTATTTCTGTACT
TGTACAAACTCAACACTAACTTTTTTTTTTTTTAAAAAAGGTAAGTACTTCAATCAGCTGT
TGGTCAAGACTAACTTTCTTTAAAGGTTCAATTTGTATGATAAATTCATATGTGTATATAATTTTTT
TTGTTTTGTCTAGTGAGTTTCAACATTTTTAAAGTTTTCAAAAAGCCATCGGAATGTTAAATTAATGTA
AAGGGAACAGCTAATCTAGACCAAAGAATGGTATTTTCACTTTTCTTTGTAACATTGAATGGTTTGAAG
TACTCAAATCTGTTACGCTAACTTTTGAATCTTTAACACAATTTTTTAAACTGGCATTTCCTCA
AACTGTGGCAGCTAACTTTTTAAATCTCAAATGACATGCAAGTGTGAGTAGAAGGAAAGTCAACAATAT
GTGGGGAGAGCACTCGGTTGTCTTTACTTTTTAAAAGTAATACTTGGTGCTAAGAATTTTCAGGATTATTG
TATTTACGTTCAAATGAAGATGGCTTTTGTACTTCTGTGGACATGTAGCAATGTCTATATTGGCTCAT
AAAATAACCTGAAAAACAAATAAATGCTTTGGAAATGTTTCAGTTGCTTTAGAAACATTAGTGCCTGC
CTGGATCCCTTAGTTTTGAAATATTTGCCATTGTTGTTAAATACCTATCACTGTGGTAGAGCTTGCA
TTGATCTTTTCCACAAGTATTAAGTAACTGCAAAATGTGAATATGCAAAAGCCTTTCTGAATCTATAAAT
GGTACTTCTACTGGGAGAGTGAATATTTGGACTGCTGTTTTCCATTAATGAGGAGAGCAACAGGCC
CCTGATTATACAGTTCCAAAGTAATAAGATGTTAATTGTAATTCAGCCAGAAAGTACATGTCTCCATT
GGGAGGATTTGGTGTTAAATACCAAAGTCTAGCCCTAGTATTATGGAGATGAACATGATGATGTAAT
TGTAATAGCAGAATAGTTAATGAATGAACTAGTTCTTATAATTTATCTTTATTTAAAAGCTTAGCCTG
CCTAAAAGTACAGATCAACTTTCTCAGCTGCAAAAGCTTCTAGTCTTTCAAGAAGTTCATACTTTATG
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TCTGTTGCTTTAGTATTTATTACAATAAAAAGGTTTGAATATAGCTGTTCTTTATGCATAAAACACC
CAGCTAGGACCTACTGCCAGAGAAAAAATCGTATTGAATGGCCATTTCCCTACTTATAAGATGTCT
CAATCTGAATTTATTTGGCTACACTAAAGAATGCAGTATATTTAGTTTTCCATTTGCATGATGTTTGTG
TGCTATAGATGATTTTTAAATGAAAAGTTTGTTTAAATTTTTTACAGTGAAGACTGTTTTACAGC
TCTTTTTATATTGTACATAGTCTTTTATGTAATTTACTGGCATATGTTTTGTAGACTGTTTAATGACTG
GATATCTTCTTCAACTTTTGAATACAAAACAGTGTTTTTTACTTGTACACTGTTTTAAAGTCTATT
AAAATTGTCATTTGACTTTTTTCTGTAACTTA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
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_012238.5](#)

Summary:

This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2008]

Locus ID:

23411

MW:

70.6