

Product datasheet for **RC200191**

SIRT2 (NM_030593) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIRT2 (NM_030593) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SIRT2
Synonyms:	SIR2; SIR2L; SIR2L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200191 representing NM_030593 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTTCTGCGGAACTTATTCTCCCAGACGCTCAGCCTGGGCAGCCAGAAGGAGCGTCTGCTGGACG
AGCTGACCTTGAAGGGGTGGCCCGGTACATGCAGAGCGAACGCTGTGCGAGAGTCATCTGTTTGGTGGG
AGCTGGAATCTCCACATCCGCAGGCATCCCGACTTTCGCTCTCCATCCACCGGCTCTATGACAACCTA
GAGAAGTACCATCTTCCCTACCCAGAGGCCATCTTTGAGATCAGCTATTTCAAGAAACATCCGGAACCT
TCTTCGCCCTCGCAAGGAACTCTATCCTGGGCAGTTCAAGCCAACCATCTGTCCTACTTTCATGCGCCT
GCTGAAGGACAAGGGGCTACTCCTGCGCTGCTACACGCAGAACATAGATACCCTGGAGCGAATAGCCGGG
CTGGAACAGGAGGACTTGGTGGAGGCGCACGGCCTTCTACACATCACACTGCGTCAGCGCCAGCTGCC
GGCACGAATACCCGCTAAGCTGGATGAAAGAGAAGATCTTCTCTGAGGTGACGCCAAGTGTGAAGACTG
TCAGAGCCTGGTGAAGCCTGATATCGTCTTTTTGGTGAAGAGCCTCCAGCGCGTTTCTTCTCCTGTATG
CAGTCAGACTTCTGAAGGTGGACCTCCTCCTGGTTCATGGGTACCTCCTTGCAGGTGCAGCCCTTTGCC
CCCTCATCAGCAAGGCACCCCTCACCCTCGCTGCTCATCAACAAGGAGAAAGCTGGCCAGTCGGA
CCCTTTCTGGGATGATTATGGGCCTCGGAGGAGGCATGGACTTTGACTCCAAGAAGCCCTACAGGGAC
GTGGCCTGGCTGGTGAATGCGACAGGGCTGCCTGGCCCTTGCTGAGCTCCTTGGATGGAAGAAGGAGC
TGGAGGACCTTGTCCGGAGGGAGCAGCCAGCATAGATGCCAGTCGGGGCGGGGGTCCCAACCCAG
CACTTCAGCTTCCCCAAGAAGTCCCGCCACCTGCCAAGGACGAGGCCAGGACAACAGAGAGGGAGAAA
CCCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_030593.3](#)

RefSeq Size: 1931 bp

RefSeq ORF: 1059 bp

Locus ID: 22933

UniProt ID: [Q8IXJ6](#)

Cytogenetics: 19q13.2

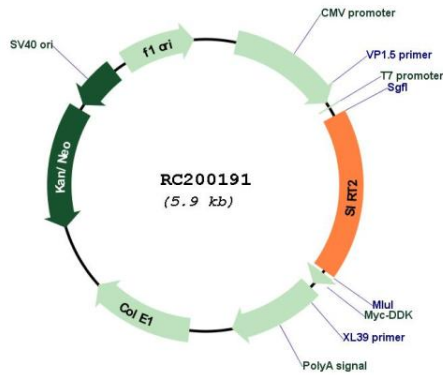
Domains: SIR2

Protein Families: Druggable Genome, Transcription Factors

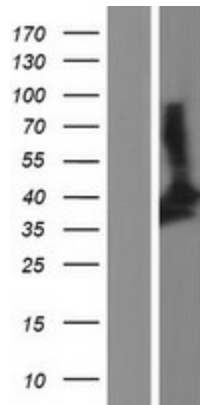
MW: 39.3 kDa

Gene 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. Several transcript variants are resulted from alternative splicing of this gene. [provided by RefSeq, Jul 2010]

Product images:



Circular map for RC200191



Western blot validation of overexpression lysate (Cat# [LY410791]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200191 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).