

Product datasheet for RR214293

Sirt6 (NM_001031649) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Sirt6 (NM_001031649) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Sirt6
 Synonyms: MGC114368
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR214293 representing NM_001031649
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCCGGTGAATTATGCAGCAGGGTTGTCGCCATACGCCGATAAGGGCAAGTGCCGGCTGCCGAGATAT
 TCGACCCACCAGAGGAGCTGGAATGCAAGGTGTGGGAGCTGGCGCGCTGATGTGGCAGTCTCCACTGT
 GGTTCACACCGGCGCAGGCATCAGCACCGCCTCCGGCATCCCGACTTCAGGGGCCCCATGGCGTG
 TGGACCATGGAGGAACGAGGCCTCGCCCCAAGTTTGACATCACCTTTGAGAATGCCCGGCCCTCGAAGA
 CCCACATGGCCCTTGTTTCAGCTGGAACGCATGGGCTTCCTCAGCTTCCTGGTCAGCCAGAATGTAGACGG
 GCTACATGTGCGCTCGGGCTTCCCAGGGACAAGCTGGCCGAGCTGCACGGAAACATGTTTGTAGAGGAG
 TGCCCCAAGTGTAAAGACGCAGTACGTGAGAGACACGGTCGTGGGTACCATGGCCCTCAAGGCCACTGGCC
 GGCTCTGCACCGTGGCCAAGGCGAGGGGACTTCGGGCCTGTAGAGGGGAGCTGAGAGACACCATTCTGGA
 CTGGGAGGATGCGTTGCCTGACCGGGACCTAACGCTCGCTGATGAGGCCAGCAGGACTGCAGACCTGTCT
 GTCACCCTGGGTACCTCACTGCAGATCCGCCCCAGCGGGAACCTGCCCTTGCCACTAAGCGCCGCGGAG
 GCCGTCTGGTCATTGTCAACCTGCAACCCACAAAACATGACCGCCAGGCTGATCTGTGCATCCATGGCTA
 CGTGGATGAGGTGATGTGCAAGCTCATGAAGCACCTGGGGCTGGAGATCCCCACCTGGGATGGACCCCGA
 GTGCTAGAGAAAAGCCCTGCCACCGCTGCCGCGCCAGTAGCACCCAAGGCTGAGCCCCCTGTGCATCTCA
 ATGGTTCTATAAGCCCAAGCCGACAGCCCTGTACCCACAGGCCTCCCAAAGAGTGAAGACAGAGGC
 TGCCGCCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214293 representing NM_001031649
 Red=Cloning site Green=Tags(s)

MSVNYAAGLSPYADK GKCGLP EIFDPPEE LCKVWELARLMWQSSTVVFHTGAGISTASGIPDFRPHGV
 WTMEERGLAPKFDITFENARPSKTHMALVQLERMGFLSFLVSNVDGLHVRSGFPRDKLAELHGNMFVEE
 CPKCKTQYVRDVTVMGLKATGRLCTVAKARGLRACRGELRDTILDWEDALPDRDLT LADEASRTADLS
 VTLGTSLQIRPSGNLPLATKRRGGRLVI VNLQPTKHDRQADLCIHGYVDEVMCKLMKHLGLEIPTWDGPR
 VLEKALPPLPRPVAPKAEPVHLNGSYKPKDPSVPHRPPKRVKTEAAS

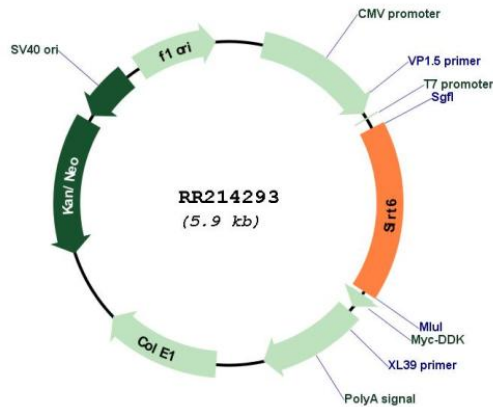
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001031649

ORF Size: 990 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">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_001031649.1 , NP_001026819.1
RefSeq Size:	1656 bp
RefSeq ORF:	993 bp
Locus ID:	299638
Cytogenetics:	7q11
MW:	36.4 kDa