

Product datasheet for **RR204184**

Siva1 (NM_001100982) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Siva1 (NM_001100982) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Siva1
Synonyms: Siva
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204184 representing NM_001100982
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCAAGCGGAGCTGCCGTTACGGATGCTGCCCGCTTCAACTCAAAGTCCACGTGAGCCCGAGAG
AGCTGAGCCACGGTGTGTTGCGCGAGCGCTACTCGCGGAGGTCTTCGAAAGAACCAAGCAGCTCCTTTT
CCAAGGGGCCAGGCCTATAGAGATCACATCTGGGGTGAAGGTTGTTCCATCAACCACCTGCCGGAGCCA
CTCAAGCCTGGTCTGGTGGGAGCCCTCAAGCTGCAAGGGGACAGATGTTGATTGGACCTGATGGCCGAC
TGACACGGTGCCAAGCTCAGGCCTCGGAAGCTGGCCTTCCCGGGGACAGCACCATTGCTTGTTCATCCTG
CGTGAGATCTGTGGATGGAAAGGCGGTCTGCAGCCAGTGTGAGCGGGCCCTGTGTGGCAGTGTGTGTAC
ACCTGCTGGGGCTGTGGTGCCTTGGCCTGTGTGCTGTGTGGCCTGGCAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204184 representing NM_001100982
Red=Cloning site Green=Tags(s)

MPKRSCPFTDAAPLQLKVHVSPRELSHGCVFAERYSRVVFERTKQLLFQGAQAYRDHIWGECSINHLPEP
LKPGLVGAPQAARGQMLIGPDGRLTRCQAQASEAGLPGAAPAIACSSCVRSVDGKAVCSQCERALCGQCVY
TCWGGALACVLCGLAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

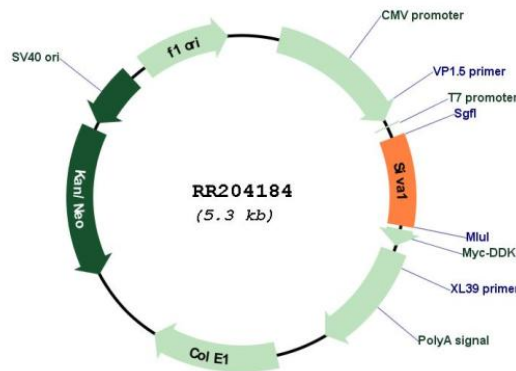
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001100982

ORF Size: 471 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.

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| 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: | <u>NM_001100982.1, NP_001094452.1</u> |
| RefSeq Size: | 1709 bp |
| RefSeq ORF: | 474 bp |
| Locus ID: | 362791 |
| Cytogenetics: | 6q32 |
| MW: | 16.7 kDa |
| Gene Summary: | Induces CD27-mediated apoptosis. Inhibits BCL2L1 isoform Bcl-x(L) anti-apoptotic activity. Inhibits activation of NF-kappa-B and promotes T-cell receptor-mediated apoptosis (By similarity).[UniProtKB/Swiss-Prot Function] |