

Product datasheet for **RR206433**

Sdc3 (NM_053893) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sdc3 (NM_053893) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sdc3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR206433 representing NM_053893
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCCCGGGCCGCCGCGCCGGGACCGCACAGGGGACGCGGTGGACACCGCCACCCATGGGCCCC
GGGCCCCGGGTTGTTACTGCCACCGCTGCTGCTGCTGTTGCTGGCCGGCCGCGCCGGGGGCTCAACG
CTGGCGCAATGAGAACTCGAGAGGCCGGTGGATCTTGAGGGCTCAGGGGACGACGACTCATTTCTGAT
GATGAATGGATGACCTCTACTCGGGTGGGCTCTGGCTACTTCGAGCAGGAGTCCGGCCTTGAGACAG
CCATGCGGTTTCATTCCTGACATAGCCCTGGCTGCACCCACCGCACCCTGCCATGCTACCCAGCCGTTAT
CCAGCCCGTGGATACCCGTTTGAGGAATCCTTTCTGAGCATCCCGGCCCGAACCAGTACCAGTCC
CCACTGGTGACAGAGGTGACAGAAGTTGTAGAAGAGCCAGTCAGAGAGCCACCCTATCTCCACCACCA
CATCTACCACTGCAGCCACCACCACAGGGGCCCAACTATGGCCACAGCACCTGTACAGCAGCCACCAC
TGCCCCCTAGCACTCCCGCGGCACCCCTGCCACGGCCACCACGGCTGACATAAGGACCACCGGCATACAA
GGGCTGCTGCCTTCCCTGACCACGGCTGCCACAGCCAAGGCCACTACCCAGCAGTACCCTACCAC
CCACTACTGTGGTACCTTGACACAGAGGCCCGACACCTAGGCTGGTCAACACAGTACCTCTCGGCC
ACGAGCCCTTCTCGCCAGTACCACCAGGAGCCTGAAGTTGCTGAGAGGAGTACCCTGCCGTTGGGG
ACCACCGCTCCTGGACCCACAGAGGTGGCTCAGACCCCAACTCCAGAGTCCCTTCTGACCAGACCAGG
ATGAGCCAGAGGTGCCAGTAAGCGGGGGGCCAGCGGGGACTTTGAGCTGCAAGAAGAGACCACACAGCC
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CCCAAGGGTGCCCGCCAGGCCTTGGCCTCCACGACAATGCCATCGACTCGGGCAGCTCTGCTGCCACG
TCCCTCAGAAGAGCATACTAGAGCGGAAGGAGGTGCTCGTAGCTGTGATCGTAGGTGGCGTGGTGGGCGC
CCTCTTCGCTGCCTTCTGGTACGTTGCTCATCTACCGCATGAAGAAGAAGGACGAAGGCAGCTACACC
TTGGAAGAGCCCAAGCAGGCAAGCGTCACATACCAGAAGCCGACAAGCAGGAGGAGTTCTATGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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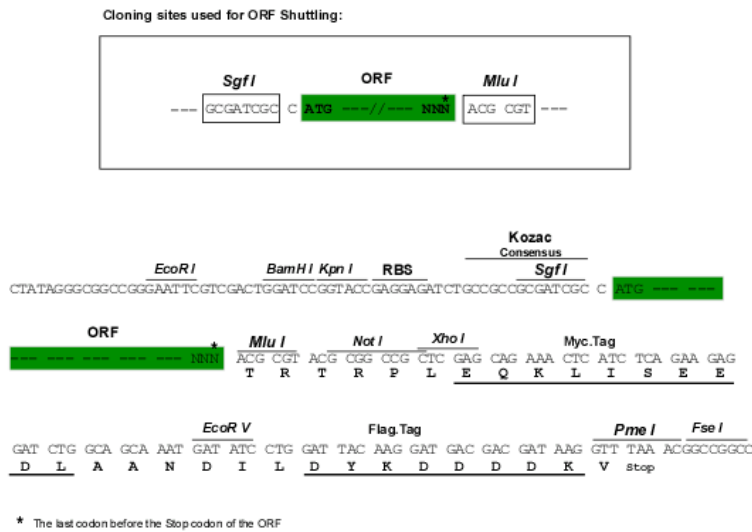
Protein Sequence: >RR206433 representing NM_053893
Red=Cloning site Green=Tags(s)

MKPGPPRRGTAQGQRVDTATHGPGARGLLLPPLLLLLLAGRAAGAQRWRNENFERPVDLEGSDDDSFPD
 DELDDL YSGSGSGYFEQESGLETAMRFIPDIALAAPTAPAMLPTTVIQPVDTPFEELLSEHPGPEPVTSP
 PLVTEVTEVVEEPSQRATTISTTTSTTAATTTGAPTMAPATAATTAPSTPAAPPATATTADIRTTGIQ
 GLLPLPLTTAATAKATTPAVPSPPTTVATLDTEAPTRPRLVNTATSRPRALPRPVTTQEPEVAERSTLPLG
 TTAPGPTEVAQTPTESLLTTTQDEPEVPVSGGPSGDFELQEETTQPDANEVVAVEGAAAKPSPPLGTL
 PKGARPLGLHDNAIDSGSSAAQLPQKSILERKEYLVAVIVGGVVGALFAFLVTLIIYRMKKKDEGSYT
 LEEPQASVTYQKPKDKQEEFYA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053893

ORF Size: 1326 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:

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_053893.3](#), [NP_446345.3](#)

RefSeq Size: 4841 bp

RefSeq ORF: 1329 bp

Locus ID: 116673

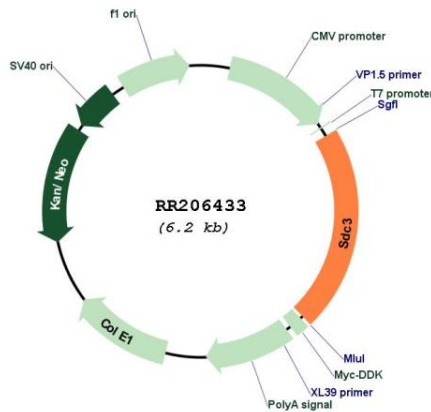
UniProt ID: [P33671](#)

Cytogenetics: 5q36

MW: 45.9 kDa

Gene Summary: mediates adhesion of Schwann cells to alpha4 type (V) collagen [RGD, Feb 2006]

Product images:



Circular map for RR206433