

Product datasheet for **RR204623**

Sdc4 (NM_012649) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sdc4 (NM_012649) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sdc4
Synonyms: RATRYUDOCA; RYUDOCA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR204623 representing NM_012649
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCCTGCTGCCTGTTTGGCCGCTGCTGCTGTTGCTCCTCGGAGGTTTCCCGTCGCCCCAGGCG
 AGTCGATTCGAGAGACTGAGGTCATAGACCCCCAGGACCTCTGGAAGGCAGATACTTCTCTGGAGCCCT
 CCCGGACGATGAAGACGCTGGGGCCTTGAGCAGGACTCTGACTTTGAGCTGTCGGTTCGGAGATCTA
 GATGACACGGAGGAGCCAGGACCTTCCCTGAGGTGATTTACCCTTGGTCCACTAGATAACCACATCC
 CCGAGAATGCCAGCCTGGCATCCGTGTCCCTCAGAGCCCAAGGAAGTGAAGAGAATGAGGTCATTCC
 CAAAAGGGTCCCTCCGACGTGGGGATGACGATGTGTCCAACAAGTGTCCATGTCCAGCACTCCAG
 GGCAGCAACATTTTTGAAAGAACTGAGGCTTGGCAGCTCTGATTGTGGCGGCGTAGTGGGCATCTCT
 TCGCCGTTTTCTGATCCTGCTGCTGGTGTACCGCATGAAGAAGAAGGATGAAGGCAGTTACGACTTGGG
 CAAGAAACCCATCTACAAAAAGCCCCACCAACGAGTTCTACGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204623 representing NM_012649
 Red=Cloning site Green=Tags(s)

MAPVCLFAPLLLLLLGGFPVAPGESIRETEVIDPQDLLEGRYFSGALPDEDAGGLEQSDSDFELSGSGDL
 DDTEEPRTFPEVISPLVPLDNHIPENAQPGIRVPSEPKELEENEVIPKRVPSDVGDDVSNKVSMSSTSQ
 GSNIFERTEVLAALIVGGVVGILFAVFLILLLVYRMKKKDEGSYDLGKKPIYKKAPTNEFYA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

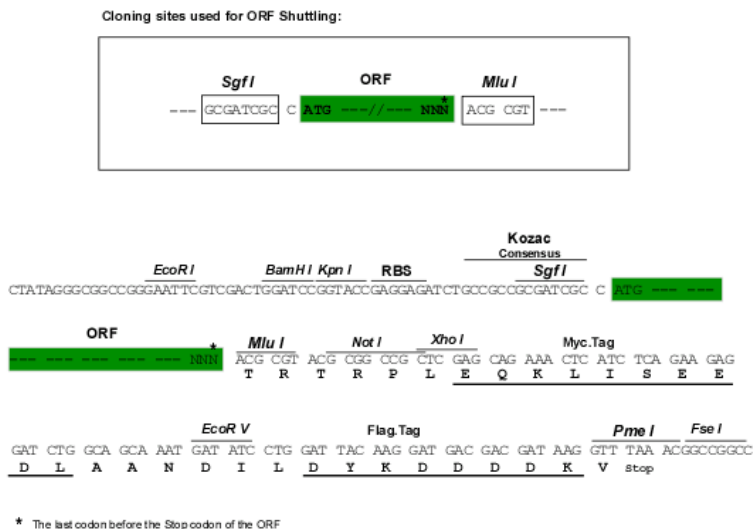


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Chromatograms: https://cdn.origene.com/chromatograms/ja2262_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012649

ORF Size: 606 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_012649.2](#), [NP_036781.1](#)

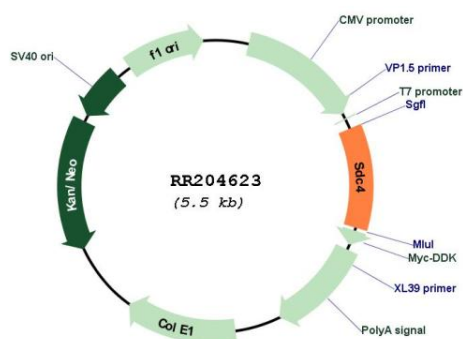
RefSeq Size: 2488 bp

RefSeq ORF: 609 bp

Locus ID: 24771

UniProt ID: [P34901](#)
Cytogenetics: 3q42
MW: 22 kDa
Gene Summary: regulates cell-matrix interactions; may bind phospholipids and play a role in phosphoinositide-mediated signaling [RGD, Feb 2006]

Product images:



Circular map for RR204623