

Product datasheet for RR213298

Sdc1 (NM_013026) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sdc1 (NM_013026) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sdc1
Synonyms:	HSPG; Synd1; SYNDECA; Syndecan
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR213298 representing NM_013026 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGACGTGCGGCGCTCTGGCTTTGGCTCTGCGCGCTGGCGCTGCGCCTGCAGCCTGCCCTCCCGCAA
TTGTCACCGCAAATGTGCCTCCTGAAGACCAAGATGGCTCTGGGGACGACTCAGACAATTCTCTGGCTC
AGGCACAGGTGCTTTGCCAGATAGACTTTGTACGGCAGACACCTTCCACTTGAAGGATGTGTGGCTC
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CGGCTGGAGAGAAGCCTGAGGAGGGAGAGCCCGTGGCCACGTGGAAGCAGAGCCTGACTTCACTGCTCG
GGACAAGGAGAAGGAGGCCACCACAGGCTAGGGAGACCACACAGCTCCCAAGTACCCAACAGGCCTCA
ACAGCAGCCAGAGCCACCACGGCCAGGCATCTGTACGTCTCATCCCCACGGGGATGTGCAACCTGGCC
TCCACGAGACCTTGGCTCCACAGCACCCGGCCAACTGACCATCAGCCTCCAAGTGTGGAGGATGGAGG
CACTTCTGTATCAAAGAGGTTGTGGAGGATGAACTACCAATCAGCTTCTGCAGGAGAGGGCTCTGGA
GAACAAGACTTACCTTTGAAACATCTGGGGAGAACACAGCTGTGGCTGGCGTCGAGCCTGACCTTCGGA
ATCAGTCCCAGTGGATGAAGGAGCCACAGGTGCTTCTCAGGGCCTTTGGACAGGAAGGAAGTGTGGG
AGGTGTATTGCTGGAGGCTGGTGGCCCTCATCTTGTGTGTGCTGGTGGCTTTCATGCTATACCGG
ATGAAGAAGAAGGACGAAGGCAGTTACTCCTTGGAGGACCCAAACAAGCCAATGGCGGTGCCTACCAGA
AACCCACCAAGCAGGAAGAGTTCTACGCCAACCCACCAAGCAGGAAGAGTTCTACGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR213298 representing NM_013026
Red=Cloning site Green=Tags(s)

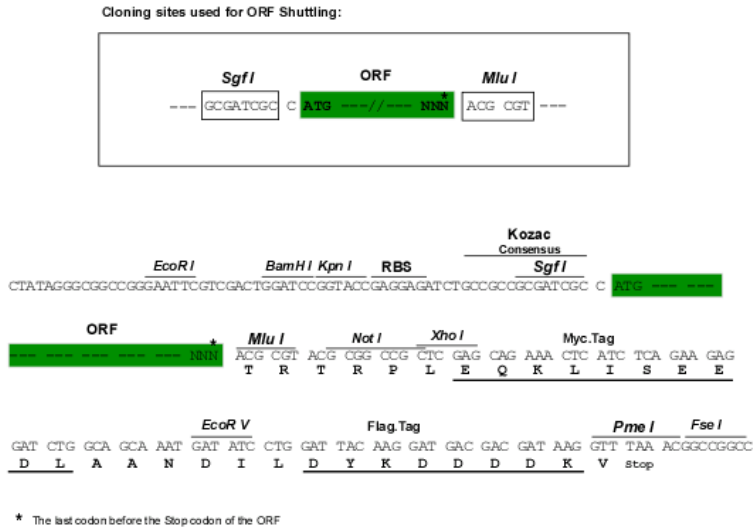
MRRRAALWLWLCALALRLQPALPQIVTANVPPEDQDGSDDSDNFSGSGTGALPDMTL SRQTPSTWKDVWL
 LTATPTAPEPTSRDTEATLTSILPAGEKPEEGEPVAHVEAEPDF TARDKEKEATTRPRETTQLPVTQQAS
 TAARATTAQASVT SHPHGDVQPGLHETLAPTAPGQPDHQPSSVEDGGTSVIKEVVEDETTNQLPAGEGSG
 EQDFTFETSGENTAVAGVEPDLRNQSPVDEGATGASQGLLDRKEVLGGVIAGGLVGLIFAVCLVAFMLYR
 MKKKDEGSYSLEEPKQANGGAYQKPTKQEEFYANPPSRKSST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1533_c07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



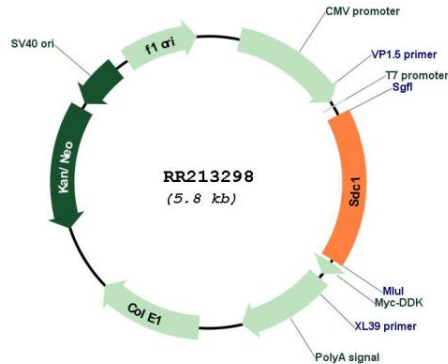
ACCN: NM_013026

ORF Size: 939 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 Size:	3021 bp
RefSeq ORF:	942 bp
Locus ID:	25216
UniProt ID:	P26260
Cytogenetics:	6q14
MW:	33.2 kDa
Gene Summary:	mouse homolog promotes cell-cell adhesion [RGD, Feb 2006]

Product images:

Circular map for RR213298