

Product datasheet for MR202080

Sdc2 (NM_008304) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sdc2 (NM_008304) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sdc2
Synonyms: 4833414L08Rik; AA960457; Hspg1; Synd2; syndecan-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202080 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCGCGGTGGATCCTGCTCACCTTGGGCTTGATGGCCTGTGTGCCGAGAGACGAGAACAGAGC
TGACATCCGATAAGGATATGTACCTTGACAATAGCTCCATTGAGGAAGCTTCAGGAGTATCCTATTGA
TGATGATGACTATTCTTCTGCCTCAGGCTCAGGAGCTGATGAAGACATAGAGAGTCCAGTTCTGACAACA
TCCCAACTGATTCCAAGAATCCCACTACTAGTCTGCTTCCCCAAAGTGAAACCATGACGTTGAAGA
CACAAAGCATTACACCTGCTCAGACTGAGTCACCTGAAGAACTGACAAGGAGGAAGTTGACATTTCTGA
GGCAGAAGAGAAGCTGGGCCCTGTATAAAAAGCACAGATGTGTACACGGAGAAACATTCAGACAATCTG
TTTAAACGGACAGAAGTTCTAGCAGCCGTCATTGCTGGTGGTGTGATCGGCTTTCTTTGCCATTTTCC
TCATCCTGCTATTGGTGTACCGCATGCGGAAGAAAGATGAAGGAAGCTACGACCTTGAGAACGCAAACC
ATCCAGCGCAGCTTACCAGAAGGCACCCACTAAGGAGTTTTATGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202080 protein sequence
 Red=Cloning site Green=Tags(s)

MQRAWILLTLGLMACVSAETRELTSDKMYLDNSSIEEASGVYPIDDDYSSASGSGADEDIESPVLTT
SQLIPRIPLTSAASPKVETMTLKTQSITPAQTESPEETDKEEVDISEAEKLGPAIKSTDVYTEKHSDNL
FKRTEVLA AVIAGGVIGFLFAIFLILLVYRMRKKDEGSYDLGERKPSSAAYQKAPTKEFYA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008304

ORF Size: 609 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_008304.2](#), [NP_032330.1](#)

RefSeq Size: 3313 bp

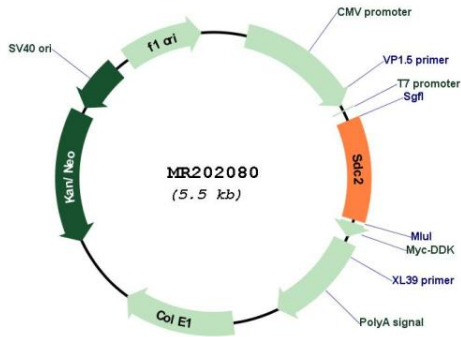
RefSeq ORF: 609 bp

Locus ID: 15529

UniProt ID: [P43407](#)

Cytogenetics: 15 13.74 cM
 MW: 22.1 kDa
 Gene Summary: Cell surface proteoglycan that bears heparan sulfate. Regulates dendritic arbor morphogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202080