

Product datasheet for **MC203505**

Sdc2 (NM_008304) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sdc2 (NM_008304) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sdc2
Synonyms:	4833414L08Rik; AA960457; Hspg1; Synd2; syndecan-2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC047144
 CGCCGCCGTTTCGCCTTTTCGGCATCCTAACTTGAGCGGCAGCTCGGTTTCAACCCATCGACTGCTTGCTT
 CAAATCAGACAGCATTGCGACCCAGACACCGGAGTCCGCCGAGTGAAAGCACAACGCTGCCCTGTAGGAC
 CAGACCAAGAAAACAGCCTCGCGAAGCAGCAACTCTGGGTTGGGAGTACAGAAGCCAACAAGTGAGAAGG
 CGCCGCGTTTTCCGGGGCGCAGGGAGAACGCTAGAGCAGGCAGAGAGAAGACAGCTAGAGCTCGGAATCG
 GAGCCCAAACCTCTCCTGGAGGCGGCTCAGCTTCTTTTTTTCTAGGCCCTCTTAGGCTTGCTCTGGG
 CTTCCTTTTATCCGGGTAGGAGCCACATCCCTGGGGAATATGCAGCGCGGTGGATCCTGCTCACCTTGG
 GCTTGATGGCCTGTGTGTCGCGAGAGACGAGAACAGAGCTGACATCCGATAAGGATATGTACCTTGACAA
 TAGCTCCATTGAGGAAGCTTACAGAGTATATCCTATTGATGATGATGACTATTCTTCTGCCTCAGGCTCA
 GGAGCTGATGAAGACATAGAGAGTCCAGTTCTGACAACATCCCAACTGATTCCAAGAATCCCACTACTA
 GTGCTGCTTCCCCAAAGTGAAACCATGACGTTGAAGACACAAAGCATTACACCTGCTCAGACTGAGTC
 ACCTGAAGAACTGACAAGGAGGAAGTTGACATTTCTGAGGCAGAAAGAGAAGCTGGGCCCTGCTATAAAA
 AGCACAGATGTGTACACGGAGAAACATTAGACAATCTGTTTAAACGGACAGAAGTTCTAGCAGCCGTCA
 TTGCTGGTGGTGTGATCGGCTTTCTCTTTGCCATTTTCTCATCCTGCTATTGGTGTACCGCATGCGGAA
 GAAAGATGAAGGAAGCTACGACCTTGGAGAACGCAAACCATCCAGCGCAGCTTACCAGAAGGCACCCACT
 AAGGAGTTTTATGCATAAAGCTCCCATTTAGTGTCTCTATTTAGGAGAGCACTGAACTTTTCAAAAATAAA
 GCTTTGGCATAGAATAATGAAGATCTTTGTTATCTGTTTTGTTTCATTACAGAGCCATACTGGCCCTTTAA
 TGATGAGAATTCATTGTATTTAAATTTTTTCGTGATTTCTTTAGAATGACATAAAAAGTAAAAATCTAA
 CATCTGCAGTGTCTGTGAATAGCAGTGGCAAAATATTATGTTATGAAAACCCCTGACATTCATGGAATT
 GATTTGAACATCTATGTGCAAAATACAAAATGATTGTGTTTGCCTCTGGTTCAAAGATGACTGCTACTCC
 CCCTTGTGCAAGTCTCCAGTTAACCTTACTGAGTTGGTCTTTCATTTATTTATCTTTGTCCTCTTCT
 CTACCTCCCTTCTTGTACCTTTCTTAGAAAACAAAACCTTATGCCTTTTGTAGCTGTGATGGTCAATT
 TGCTTTTGAATGATTACAATAATGGTAATTTAGTGTATATGTGATTTTTCTCAAATATGTTAACCTTAAC
 CTCCACTTTATATAATGTTTTTAAATATCAGACTATCCATTTTATGCTTGTCTTTAAATTTTCACTTGT
 AGCTTCAGGCAGATTTGCAAAGGCAAATTAATGTGTAATAATTGGATTATTACTACGAAACTGTTTAGTCC
 TAGCTATCTTCTTTGGGAGGATTTGACATAACGGACAAGCCTCAGCAAACCCAAAGATGCTAACAGTAT
 TTTGAGAAGTTGCTGCAGATTCCTTGGCCACTGTACTTGTTAATTTCTTGTCAATTTGAAGGTACGAGAA
 AGAGTTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_008304

Insert Size: 609 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC047144](#), [AAH47144](#)

RefSeq Size:	1854 bp
RefSeq ORF:	609 bp
Locus ID:	15529
UniProt ID:	P43407
Cytogenetics:	15 13.74 cM
Gene Summary:	Cell surface proteoglycan that bears heparan sulfate. Regulates dendritic arbor morphogenesis.[UniProtKB/Swiss-Prot Function]