

Product datasheet for **SC118273**

Syndecan 4 (SDC4) (NM_002999) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syndecan 4 (SDC4) (NM_002999) Human Untagged Clone
Tag:	Tag Free
Symbol:	Syndecan 4
Synonyms:	SYND4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118273 sequence for NM_002999 edited (data generated by NextGen Sequencing)

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ATGGCCCCGCCCCGTCTGTTTCGCGCTGCTGCTGCTCTTCGTAGGCGGAGTCGCCGAGTCG
ATCCGAGAGACTGAGGTCATCGACCCCCAGGACCTCCTAGAAGGCCGATACTTCTCCGGA
GCCCTACCAGACGATGAGGATGTAGTGGGGCCCCGGCAGGAATCTGATGACTTTGAGCTG
TCTGGCTCTGGAGATCTGGATGACTTGAAGACTCCATGATCGGCCCTGAAGTTGTCCAT
CCCTTGGTGCCTCTAGATAACCATATCCCTGAGAGGGCAGGGTCTGGGAGCCAAGTCCCC
ACCGAACCAAGAACTAGAGGAGAATGAGGTTATCCCCAAGAGAATCTCACCCGTTGAA
GAGAGTGAGGATGTGTCCAACAAGGTGCAATGTCCAGCACTGTGCAGGGCAGCAACATC
TTTGAGAGAACGGAGTCTGGCAGCTCTGATTGTGGTGGCATCGTGGGCATCCTCTTT
GCCGCTTCTCTGATCCTACTGCTCATGTACCGTATGAAGAAGAAGGATGAAGGCAGCTAT
GACCTGGGCAAGAAACCCATCTACAAGAAAGCCCCACCAATGAGTTCTACGCGTGA

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Clone variation with respect to NM_002999.3
34 t=>c



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002999 unedited CAAATTTTGTAAATACGACTCACTATAGGGGCGGCCGCGATTTCGGCACGAGGGCAGCCTGC GCGCCTTCTCCAGTCCGCGGTGCCATGGCCCCGCGCTCTGTTTCGCGCTGCTGTGCTC TTCGTAGGCGGAGTCCGCGAGTCGATCCGAGAGACTGAGGTCATCGACCCCCAGGACCTC CTAGAAGGCCGATACTTCTCCGGAGCCCTACCAGACGATGAGGATGTAGTGGGCCCCGGG CAGGAATCTGATGACTTTGAGCTGTCTGGCTCTGGAGATCTGGATGACTTGAAGACTCC ATGATCGGCCCTGAAGTTGTCCATCCCTTGGTGCCTCTAGATAACCATATCCCTGAGAGG GCAGGGTCTGGGAGCCAAGTCCCCACCGAACCAAGAACTAGAGGAGAATGAGGTTATC CCCAAGAGAATCTCACCCGTTGAAGAGAGTGAGGATGTGTCCAACAAGGTGTCAATGTCC AGCACTGTGCAGGGCAGCAACATCTTTGAGAGAACGGAGGTCCTGGCAGCTCTGATTGTG GGTGGCATCGTGGGCATCCTCTTTGCCGTCTTCTGATCCTACTGCTCATGTACCGTATG AAGAAGAAGGATGAAGGCAGCTATGACCTGNGCAAGAAACCCATCTACAAGAAAGCCCC ACCAATGAGTTCTACGCGTGAAGCTTGCTTGTGGGCACTGGCTTGGACTTACGCGGGAG GGAAAGCAGGGGATTTTGAAGGTGGACATTANGGGTAGGTGAGGGTCAACCTATACTGA CTTGTCACTATCTCCAGCTCTGATTACCTTTGAAAGTGCAGAAGAGACATTGTCTTCTA CTGGGTCTGCCAGTTCTTCTTGAGCTT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002999 unedited GGCCGCTATCTANAGTCGAGNNNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT AAAAAGAACCAGGTTTTATTATCTTTTTATCAAAAAAATAGTAACAGACAACAGTGTGA AAGGGGCTACAAAGGAGGGGCTACTCCAACACAGCCCAAGGGGAAGGGCACTGGGGGC AAAAAAGGACCCACCCAGCTGGGACCCTGGGTTGCAGTGGTGACGGGAGCTAATGGCCAC TGGTGCAACAAGGAGGGGGGTTCCCTCACCCCAACCACTGGGGTCAGGAGGAAACACA ACCTGCCCAGGCTAAACCACCAGGCCTCCCTTTTAGGAGAGGGAGGGTCCCAAACAACA GGCCCCAGCTGGGGCCTTATCAACCCTCCCCATTCCCCCCTTCTACCCAGGGAGACA AGGGTCTCCCAACACACCTGAGGCTGGGACTCGTTAAGCCCGTTAATCCTCTAAAATA ATGCTGTACAACACATGGACATGCTCCTCCCTGTACGACAGATTCCCCTGAACCCCCCA CACCGACGTCTTTAAACCGTGGCTAATGCCACTGACGAAGGAATCTTACACCTTCGTA CCTTAATTGGCTAACCTCCAAAACCAACGCGCTCCCGATTGCGCCCGCCCCCCCCCA CCCTTACCCACCCACCCACAACCCTTCCGTCTTTTAAACACAGCCCCAAACGGGGGA CCCTGCCCCGACGCGTCCGTCTTTTGCACCCCTCCCCATCCGTATAAAATAC AGATAAAGCCACCCCGCCGTTCACTACCCTGCCGCGTGCAAANGAGGAAGTTGTTT TTACCTTCACTTTTATTAAACACAGAAAGGAGATTAGTGACGCCGACAGCCCGGCCAC CGCCTTTTCCCTCCCTCCTTGTCAATCCCCACATACGCCACCGCGTATCTCCACCTC CTCAATCTTCGATTCCCAGCCACCCCT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_002999
Insert Size:	2680 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: [NM_002999.2](#), [NP_002990.2](#)

RefSeq Size: 2640 bp

RefSeq ORF: 597 bp

Locus ID: 6385

UniProt ID: [P31431](#)

Cytogenetics: 20q13.12

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs), ECM-receptor interaction

Gene Summary: The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan that functions as a receptor in intracellular signaling. The encoded protein is found as a homodimer and is a member of the syndecan proteoglycan family. This gene is found on chromosome 20, while a pseudogene has been found on chromosome 22. [provided by RefSeq, Jul 2008]