

Product datasheet for **RG200419**

Syndecan 1 (SDC1) (NM_002997) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syndecan 1 (SDC1) (NM_002997) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Syndecan 1
Synonyms:	CD138; SDC; SYND1; syndecan
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200419 representing NM_002997 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCGCGGGCGCTCTGGCTCTGGCTGTGCGCGCTGGCGCTGAGCCTGCAGCCGGCCCTGCCGAAA
TTGTGGCTACTAATTTGCCCCCTGAAGATCAAGATGGCTCTGGGGATGACTCTGACAACCTCTCCGGCTC
AGGTGCAGGTGCTTTGCAAGATACACCTTGTACAGCAGACCCCTCCACTTGAAGGACACGCAGCTC
CTGACGGTATTCCACGCTCTCCAGAACCACCGGCTGGAGGCTACAGCTGCCTCCACCTCCACCCTGC
CGGCTGGAGAGGGGCCAAGGAGGGAGAGGCTGTAGTCTGCCAGAAGTGGAGCCTGGCCTCACCGCCCG
GGAGCAGGAGGCCACCCCGACCCAGGGAGACCACACAGCTCCCGACCACTCATCAGGCCCAACGACC
ACAGCCACCACGGCCAGGAGCCCGCCACCTCCACCCCCACAGGGACATGCAGCCTGGCCACCATGAGA
CCTCAACCCTGCAGGACCCAGCCAAGCTGACCTTCACTCCACACAGAGGATGGAGGTCTTCTGTC
CACCGAGAGGGCTGTGAGGATGGAGCCTCCAGTCAGCTCCCAGCAGCAGAGGGCTCTGGGGAGCAGGAC
TTCACCTTTGAAACCTCGGGGAGAATACGGCTGTAGTGGCCGTGGAGCCTGACCGCCGGAACAGTCCC
CAGTGGATCAGGGGGCCACGGGGCCTCACAGGGCCTCTGGACAGGAAAGAGGTGCTGGGAGGGTTCAT
TGCCGTAGGCCTCGTGGGGCTCATCTTTGCTGTGTGCCTGGTGGGTTTCATGCTGTACCGCATGAAGAAG
AAGGACGAAGGCAGCTACTCCTTGGAGGAGCCGAAACAAGCCAACGGCGGGCCCTACCAGAAGCCACCA
AACAGGAGGAATTCTATGCC

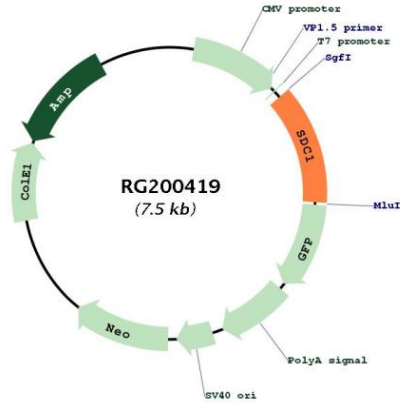
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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:	NM_002997.2
RefSeq Size:	3217 bp
RefSeq ORF:	933 bp
Locus ID:	6382
UniProt ID:	P18827
Cytogenetics:	2p24.1
Domains:	Syndecan
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs), ECM-receptor interaction
Gene Summary:	<p>The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The syndecan-1 protein functions as an integral membrane protein and participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins. Altered syndecan-1 expression has been detected in several different tumor types. While several transcript variants may exist for this gene, the full-length nature of only two have been described to date. These two represent the major variants of this gene and encode the same protein. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RG200419