

## Product datasheet for **SC122310**

### Syndecan 3 (SDC3) (BC013974) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                               |
| Product Name:             | Syndecan 3 (SDC3) (BC013974) Human Untagged Clone |
| Tag:                      | Tag Free  |
| Symbol:                   | Syndecan 3  |
| Synonyms:                 | SDCN; SYND3                                       |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u>pCMV6-XL5</u>                                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                            |

**Fully Sequenced ORF:** >OriGene sequence for BC013974 edited  
GCTTGTGGTAGGGGTGCCTTTGGGGTCTGACTCTTCCCAGAATGCCACTCCTGTGTTCCC  
CTGCAAGCCCCAGCAAGTTTTGCAGCCAGTAGCGCCTCAGTTGCTGCTGCCTGGATTCAA  
CCTCATAGAAACTGTAGGCTGGGTGGGCAGGAATAGTCAAGGAAGGCTTCCCGGGAGAGG  
CGGCCCCAGAAATTTTTGACTTGGCAGAGAGAAGTTGGGGAACATCAGCAACTGACCACC  
TTAGCTGGGCTGTGCCTTCTCCTTTCTCTCATCTTTCTGGGAAAATTGGGTAAGAG  
AGGGGGTTGGGAGACCTAATCTTGATGGCCATTGCTTACCTGGGATCCTCATGCCCTCA  
CAACCACCAGCTCCCTAGCTCTCTCCCTCTCCCCACCCCTCAGACTTCGAGCAGGAG  
TCGGGCATTGAGACAGCCATGCGCTTCAGCCAGATGTAGCCCTGGCGGTGTCCACCACA  
CCATTTGAAGAGCTCCCCTCTGAGCGCCCCACCCTGGAGCCAGCCACCAGCCCCCTGGT  
GTGACAGAAGTCCCGAAGAGCCAGCCAGAGAGCCACCACCGTCTCCACTACCATGGCT  
ACCACTGCTGCCACAAGCACAGGGGACCCGACTGTGGCCACAGTGCCTGCCACAGTGGCC  
ACCGCCACCCCAAGCACCCTGCAGCACCCCTTTTACGGCCACCACTGCTGTTATAAGG  
ACCACTGGCGTACGGAGGCTTCTGCCTCTCCCACTGACCACAGTGGCTACGGCACGGGCC  
ACTACCCCGAGGCGCCCTCCCCGCCACCACGGCGGCTGTCTTGGACACCGAGGCCCA  
ACACCCAGGCTGGTCAGCACAGCTACCTCCCGCCAAGAGCCCTTCCAGGCCGGCCACC  
ACCCAGGAGCCTGACATCCCTGAGAGGAGCACCCTGCCCTGGGGACCACTGCCCTGGA  
CCAGAGGTTCCGGTGAGTGGGGGCCAGTGGAGACTTCGAGCTGCCAGAAGAAGAGACC  
ACACAACCAGACACAGCCAATGAGGTGGTAGCTGTGGGAGGGGCTGCGGCCAAGGCATCA  
TCTCCACCTGGGACACTGCCAAGGGTGCCTGGCCCGGGCCCTGGCCTCCTGGACAATGCC  
ATCGACTCGGGCAGCTCAGCTGCTCAGCTGCCTCAGAAGAGTATCCTGGAGCGGAAGGAG  
GTGCTCGTAGCTGTGATTGTGGCGGGGTGGTGGCGCCCTTTTGTGCCTTCTTGGTC  
ACACTGCTCATCTATCGTATGAAGAAAAGGATGAGGGCAGCTACACGCTGGAGGAACCC  
AAGCAGGCGAGCGTCACATACCAGAAGCCTGACAAGCAGGAGGAGTTCTATGCCTAGTGG  
AGCCACAGTGCCTCCCTGCAGCCTCAACACCACCCTGCTGTCCAGTCCCCAGCCTGGCC  
CACCAGCCAAGCCTGGGACTGGCCTGGAACCTGGCCCCAGTTCTTCTGCTGCCCTCTCT



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CCCAAGTCTGCCAGGCTGCCAGCCTCACACAGATCTTCCCTGAGGAAGAGGGGCTGCT
GCCATCTGCCCCAGACTGTGCCCTTACGAGCTCATCTCTTGTCCCTCATCCCTGCCAC
CAGTCTGGGGCTTCAAGACCTCATGTCAGTTGGATGGGAGGAAGAAAGCTCCTGATTGGC
TGGTGGTGAAGAAAGGGTGGGGCTTGAGATGAGCCTGAGCCCTGACTTGGCACCCACAG
TGCTCACTGAGATCTCCTTTTTGGGGCAGAGAGGCACTCAGGCTGGTTTCCAGGACAAAC
ATTTGGTAAACACAGCCCTTGAATCATCTAGACACTGCAACCTTTGCTCGTATCCCAG
GGCCTCTCTAGCTGGGTGAGAGGGTGTCCCTTGTACCAGCCTGTTTTGTCTGGTCT
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TCTTTCTGCATCTTCCCCAAGAAACAGCTTCTGAGGGTGTGGGGCAGCCACTGGTGA
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CTTAGGGTGTGTGGCCAAACCCCTGGGGTGGCAAAGCCCTGTGAGGCCTCTGG
TGGGGCCCTGGACACAGGGAGCAGACCCTCTGCCTCATGGGGTAGGAGTGGCTGCCTC
CTGTGTTCTCTGGATTTCTTCTCCAACAACACCACTGGACTTGCCTCCCAGGCCCT
CTTGCCTGTAATAGAAGCCCGCAAACGTACAGATTTACAGAGGCATCGAGACTGGGCC
CTGGGAGTTGCCATCTGAGAGCCGATGGCCCCAGCATCCCCAGGTGCCTGCCTGGCACC
ACAGTGACCCTGGCCTCAGCGTGGCAAATGCATGTAATATTTTTCGTAGGCAGCGTGGC
TCCAGAGAGCCCCCTGAAGACAGTGTCCCTCCCTCCTGTGAGTCTTTCTCCTGTACAGA
ACCTGCCTGGGGTGGGTGGGGTCTGCCATTCCCTCCCCAGGCCTTCCCTGCCCTTCT
CTCCCCTGTAACCTGTTTATTAACCATACCTGTCTGAGTTCATGGCCAAAACCTAAAT
AAGAAAAACAAAAGAAAAGACAGTGGAAAAAGAGACCAAGGCCTGCCCACTGCGG
GTACTCTCCTGTTCCAGCCTTGTGAAGGAAGTGGTTTTGTTTTGTTTTGTTTTGTTT
TTTTTGTGTTGTTGTTGTTTTTAACACTTCTGTGCTGTGCCATTTATAAGAGGAA
ATAAAATTAAGCTGAAATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAA
    
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**5' Read Nucleotide Sequence:**

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>OriGene 5' read for BC013974 unedited
GTCATTATTGTATACGACTCCTATAGGGCGCCGCGAATTCGCACGAGGGCTTGTGGTAG
GGGTGCCCTTGGGGTCTGACTCTCCCATAAATGCCACTCTGTGTCCCCTGCAAGCCCC
AGCAAGTTTTGCAGCCAGTAGCGCCTCAGTTGCTGCTGCCTGGATTCAACCTCATAGAAA
CTGTAGGCTGGGTGGGCAGGAATAGTCAAGGAAGGCTTCCCGGGAGAGGGCGCCCCAGA
ATTTTTGACTTGGCAGAGAGAAGTTGGGGAACATCAGCAACTGACCACCTTTAGCTGGGC
TGTGCCTTCTCCTTTCTCTCATTTTTCTGGGAAATTTGGGTAAGAGAGGGGGTTGGG
AGACCTAATCTTGATGGCCATTGCTTACCTGGGATCCTCATGCCCTCACAACCACCCAG
CTCCCTAGCTCTCTCCCTCTCCCCACCCCTCAGACTTCGAGCAGGAGTCGGGCATTGA
GACAGCCATGCGCTTCAAGCCAGATGTAGCCCTGGCGGTGTCCACCACACCATTTGAAGA
GCTCCCCTGAGCGCCCCACCTGGAGCCAGCCACCCAGCCCTGGTGGTGACAGAAGT
CCCGGAAGAGCCAGCCAGAGAGCCACCCAGTCTCCACTACCATGGCTACCACTGCTGC
CACAAGCACAGGGGACCCGACTGTGGCCACAGTGCCTGCCACAGTGGCCACCCGNCACCC
CAGCACCCCTGCAGCACCCCTTTACGGCCACCACTGCTGTTATAAGGACCACTGGCGT
ACGGAGGCTTCTGCCTCTCCACTGACCACAGTGGCTACGGCACGGGCCACTACCCCGA
GGCGCCCTCCCGCCACACGGCGGCTGTCTTGGACACGAGNCCCACACNCAGCTGTCA
GCCAGCTACCTNCCGGCAAGACCTTNNCAGNCNGNCACACCCAGAGCCG
    
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|-------------------------------|---|
| <b>Restriction Sites:</b>     | Please inquire  |
| <b>ACCN:</b>                  | BC013974  |
| <b>Insert Size:</b>           | 3572 bp   |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">BC013974.2</a>  |
| <b>RefSeq Size:</b>           | 3563 bp   |
| <b>Locus ID:</b>              | 9672  |
| <b>Cytogenetics:</b>          | 1p35.2  |
| <b>Protein Families:</b>      | Transmembrane   |
| <b>Protein Pathways:</b>      | Cell adhesion molecules (CAMs), ECM-receptor interaction  |
| <b>Gene Summary:</b>          | The protein encoded by this gene belongs to the syndecan proteoglycan family. It may play a role in the organization of cell shape by affecting the actin cytoskeleton, possibly by transferring signals from the cell surface in a sugar-dependent mechanism. Allelic variants of this gene have been associated with obesity. [provided by RefSeq, Oct 2009]  |