

Product datasheet for **SC108554**

Syntenin (SDCBP) (NM_005625) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syntenin (SDCBP) (NM_005625) Human Untagged Clone
Tag:	Tag Free
Symbol:	Syntenin
Synonyms:	MDA-9; MDA9; ST1; SYCL; TACIP18
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108554 sequence for NM_005625 edited (data generated by NextGen Sequencing)

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ATGTCTCTATCCATCTCTCGAAGACTTGAAGGTAGACAAAGTAATTCAGGCTCAAAC  
GCTTTTTCTGCAAACCTGCCAATCCAGCAATTTGTCAGAAGCTTCTGCTCCTATCCCT  
CACGATGGAAATCTCTATCCCAGACTGTATCCAGAGCTCTCTCAATACATGGGGCTGAGT  
TTAAATGAAGAAGAAATACGTGCAAATGTGGCCGTGGTTTCTGGTGCACCACTTCAGGG  
CAGTTGGTAGCAAGACCTTCCAGTATAAACTATATGGTGGCTCCTGTAAGTAAATGAT  
GTTGGAATTCGTAGAGCAGAAATTAAGCAAGGGATTTCGTGAAGTCATTTTGTGTAAGGAT  
CAAGATGGAAAAATTGGACTCAGGCTTAAATCAATAGATAATGGTATATTTGTTTCAGCTA  
GTCCAGGCTAATTCTCCAGCCTCATTGGTTGGTCTGAGATTTGGGGACCAAGTACTTCAG  
ATCAATGGTGAAAATGTGCAGGATGGAGCTCTGATAAAGCGCACAAAGGTGCTCAAACAG  
GCTTTTGGAGAGAAGATTACCATGACCATTTCGTGACAGGCCCTTTGAACGGACGATTACC  
ATGCATAAGGATAGCACTGGACATGTTGGTTTTATCTTTAAAAATGGAAAAATAACATCC  
ATAGTGAAAGATAGCTCTGCAGCCAGAAATGGTCTTCTCACGGAACATAACATCTGTGAA  
ATCAATGGACAGAATGTCATTGGATTGAAGGACTCTCAAATTGCAGACATACTGTCAACA  
TCTGGGACTGTAGTTACTATTACAATCATGCCTGCTTTTATCTTTGAACATATTATTAAG  
CGGATGGACCAAGCATTATGAAAAGCCTAATGGACCACACCATTCTGAGGTTTAA
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Clone variation with respect to NM_005625.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005625 unedited</p> <pre>GCATTTGTATACGACTCTATAGCGGCCCGCAATTCGCACGAGGCGGCGGCGGAGC GGTTCCTTGTGGGCTAGAAGAATCCTGCAAAAAGTCTCTCTATCCATCTCTCGAAGACTT GAAGGTAGACAAAGTAATTCAGGCTCAAAGTCTTTTTCTGCAAAACCTGCCAATCCAGC AATTTTGTGAGAAGCTTCTGCTCCTATCCCTCACGATGGAATCTCTATCCCAGACTGTA TCCAGAGCTCTCTCAATACATGGGGCTGAGTTTAAATGAAGAAGAAATACGTGCAAAATG GGCCGTGGTTTTCTGGTGCACCACCTTCAGGGGCAGTTGGTAGCAAGACCTCCAGTATAAA CTATATGGTGGCTCCTGTAACCTGTAATGATGTTGGAATTCGTAGAGCAGAAATTAAGCA AGGGATTCGTGAAGTCATTTTGTGTAAGGATCAAGATGGAAAAATTGGACTCAGGCTTAA ATCAATAGATAATGGTATATTTGTTTCTAGCTAGTCCAGGCTAATTCCTCAGCCTCATTGGT TGGTCTGAGATTTGGGGACCAAGTACTTCAGATCAATGGTAAAACTGTGCAGGATGGAG CTCTGATAAAGCGCACAAAGGTGCTCAAACAGGCTTTTGGAGAGAAGATTACCATGACCAT TCGTGACAGGCCCTTTGAACGGACGATTACCATGCATAAGGATAGCACTGGACATGTTGG TTNATCTTTANAATGGAAAAATACATCCATAGTAAAAGATAGCTCTGCAGCCAGAAATG GTCTTCTCAGGCACATAACATCTGTGAAATCAATGGACAGAATGTCATTGGNATGAAAGG ACTCTCAATGCAGACTACTGTACATCTGGGACTGTAGNTACTATTACAATCATGCTGCT TTNATCTTNGACATATTATAAGCGGATGGCACCAGCATATGANAGCCTATGGACACACAT CC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005625 unedited</p> <pre>CGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTGTACAGACTAAAATGTAACCTTATTT ATACATATTTAATAGAATAGACATAAACCAAAAAGAAGAAAAAATCAGGATAAAGTGT CAACTATCATTGTTTGAAGGAGGAGTCAAGAAAAGGAACAAGTTATCAGAAAAATAT TCTAAGACCATCCCAAAGTAGCTAGGTTACATAATCTTAAGAGTCAAATGCCAAAATTA GTATTATACCACTTAATCCACAAATGAACAAAAGGGGAGTCAAAAAGTTTATCCTGTTTGA TGTAATAACTTTTACATCACATATAGTGATTCACTTCTTAAAAAGTGGCACTGGCACTTT TAGAAGAAAGAAGTTCCATTATGTGTTGACTAAAAATCTCAAAAACAACTAAGCAGCT ATGCTATAGCTCAGTAAGTACCATTAACTGTTCTGGGCTAGTGTACATTTCAAGTTAAT AGAGAACTACATTTTGGGTTTTAGAAAAGGCAGCAATAATTATATTTTGGCTTTTAGTCT AGATGCTTAACATAGTTAAGGCGACAGTTCAAGCATATTAAGTGAAGGTAGTTAAAATTT AAGAATCATCACAATCTCTTGAACCCATACATACACTGTNTAATGCTTACATGGAATGAAA CTAGTGTCTTAAATTGGCATTTCACACACACCCACAGAANTTTAAAAAAAATCAAAGGG CATCATTCTAAAGTACTATGATAGCATGCTAAAGAGCAAGTATGCTATANCACCTAAAAGT ATATGAACAGCACTACTCATTACCTAGGAGAAGAGGGACTGTNTTTCACACAAAGCTAAG CCTGTAACAGTCATCCCTAACACCATGCCTTATAAAAAGCTCAGGNTTTCAGNTAAAAAC CATCCTAGAAAAGTCCGTAATCTCTTGAAGTTACTTTGAAACCCGCGATAGGCTCCA ACTTTTGGAAATCTGACACGTTTACAAAGAAGGAATATCCCACCNTATGCAAACACAA GGGCCCTGCCG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005625
Insert Size:	2110 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_005625.3](#), [NP_005616.2](#)

RefSeq Size: 2173 bp

RefSeq ORF: 897 bp

Locus ID: 6386

UniProt ID: [O00560](#)

Cytogenetics: 8q12.1

Domains: PDZ

Protein Families: Druggable Genome, Transmembrane

Gene Summary: The protein encoded by this gene was initially identified as a molecule linking syndecan-mediated signaling to the cytoskeleton. The syntenin protein contains tandemly repeated PDZ domains that bind the cytoplasmic, C-terminal domains of a variety of transmembrane proteins. This protein may also affect cytoskeletal-membrane organization, cell adhesion, protein trafficking, and the activation of transcription factors. The protein is primarily localized to membrane-associated adherens junctions and focal adhesions but is also found at the endoplasmic reticulum and nucleus. Alternative splicing results in multiple transcript variants encoding different isoforms. Related pseudogenes have been identified on multiple chromosomes. [provided by RefSeq, Jan 2017]
Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 encode the same, longest isoform (isoform 1).