

## Product datasheet for **SC301141**

### Syntenin (SDCBP) (NM\_001007069) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syntenin (SDCBP) (NM_001007069) Human Untagged Clone
Tag:	Tag Free
Symbol:	Syntenin
Synonyms:	MDA-9; MDA9; ST1; SYCL; TACIP18
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	<p>&gt;NCBI ORF sequence for NM_001007069, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGTCTCTCTATCCATCTCTCGAAGACTTGAAGGTAGACAAAGTAATTCAGGCTCAAAC GCTTTTCTGCAAACCTGCCAATCCAGCAATTTTGTCAGAAGCTTCTGCTCCTATCCCT CACGATGGAAATCTCTATCCCAGACTGTATCCAGAGCTCTCTCAATACATGGGGTGAGT TTAAATGAAGAAGAAATACGTGCAAAATGTGGCCGTGGTTTCTGGTGCACCACTTCAGGG TTGGTAGCAAGACCTTCCAGTATAAACTATATGGTGGCTCCTGTAAGTGGTAATGATGTT GGAATTCGTAGAGCAGAAATTAAGCAAGGGATTCGTGAAGTCATTTTGTGAAGGATCAA GATGGAAAAATTGGAAGTCAAGGCTTAAATCAATAGATAATGGTATATTTGTTCAAGTATG CAGGCTAATTCTCCAGCCTCATTGGTTGGTCTGAGATTTGGGGACCAAGTACTTCAGATC AATGGTGAAGAACTGTGCAAGGATGGAGCTCTGATAAAGCGCACAAGGTGCTCAAACAGGCT TTTGGAGAGAAGATTACCATGACCATTCGTGACAGGCCCTTTGAACGGACGATTACCATG CATAAGGATAGCACTGGACATGTTGGTTTATCTTTAAAAATGGAAAAATAACATCCATA GTGAAAGATAGCTCTGCAGCCAGAAATGGTCTTCTCACGGAACATAACATCTGTGAAATC AATGGACAGAATGTCATTGGATTGAAGGACTCTCAAATTGCAGACATACTGTCAACATCT GGGACTGTAGTTACTATTACAATCATGCCTGCTTTTATCTTTGAACATATTATTAAGCGG ATGGCACCAAGCATTATGAAAAGCCTAATGGACCACACCATTCTGAGGTTTAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001007069
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.


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<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>	<u>NM_001007069.1, NP_001007070.1</u>
<b>RefSeq Size:</b>	2170 bp
<b>RefSeq ORF:</b>	894 bp
<b>Locus ID:</b>	6386
<b>UniProt ID:</b>	<u>O00560</u>
<b>Cytogenetics:</b>	8q12.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) uses an alternate in-frame splice site in the coding region, compared to variant 1, resulting in a shorter isoform (isoform 3). Variants 4 and 5 encode the same isoform.</p>