

## Product datasheet for **SC118143**

### Striatin (STRN) (NM\_003162) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Striatin (STRN) (NM_003162) Human Untagged Clone
Tag:	Tag Free
Symbol:	Striatin
Synonyms:	PPP2R6A; SG2NA; STRN1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_003162 edited
GAATTCGGCACGAGGGCTTGCCGCCGCTGTTGCCTCCGCTGCTGGGCGCCGGGGCAGCTC
CCCGGGTATCTGCGGCCGCCATGGACGAGCAGGCGGGTCCCGCGTCTTCTTCAGCAACA
ACCACCCGGGCGCCGGCGGTGCCAAGGGGCTCGGGCCTCTGGCGGAGGCTGCCGCGGCCG
GCGACGGGGCGGCTGCGCGGGGGCGGCCGAGCCAGTACAGTCTCCCGGGATCTCTGC
ACTTCTGCAGCACGAGTGGGCCGCTTCGAGGTGGAGAGAGCCAGTGGGAGGTGGAGC
GGCGGGAGCTGCAGGCCAGATTGCCTTCTGCAGGGAGAAAGGAAGGGCCAAGAAAATT
TGAAGAAGGATCTTGTGAGGAGGATCAAAATGTTGGAGTATGCTCTTAAACAGGAAAGAG
CCAAATACCACAAGTTGAAATACGGGACAGAATTGAATCAGGGAGATATGAAGCCTCCAA
GCTATGATTCTGATGAAGTAATGAAACAGAAGTGCAGCCACAACAAAACAGCCAGTTAA
TGTGGAACAAGGTGACAACACTACTCAGACAGTATCTACAGGAGTGGGTATACAGATA
CTATTCTAGATGTGAAATCTAAACGAGTGCAGCTTTGTTGGCTTTTCAAGTATGTCA
CGGACAGGGAAGATGACAAAAATCAGGACTCAGTTGTAATGGCACAGAGGCTGAAGTTA
AAGAGACAGCAATGATTGCAAAATCTGAGTTAACAGATTCTGCCTCCGTGCTGGATAATT
TCAAATTCCTTGAAGTGCAGCTGCAGATTTTCAGTGATGAAGATGAAGATGATGATGTTG
ATGGAAGAGAGAAAAGCGTCATTGATACTTCAACAATTGTTAGGAAAAAAGCATTGCCTG
ACAGCGGTGAAGATCGAGATACAAAAGAAGCTCTAAAGGAGTTTGACTTCTTGGTTACAT
CAGAGGAAGGAGACAATGAATCTAGAAGTGCAGGCGATGGAACAGACTGGGAAAAGGAAG
ACCAGTGTCTCATGCCTGAAGCCTGGAATGTGGACCAGGGAGTAATACCAAACCTCAAGG
AACAAACAAAAAGGAGAGAAAAGGGGAAAAAGGGGGTGAAGAGGCCCAATAGGTCAAAAC
TACAAGATATGCTTGCTAATTTGAGAGATGTTGATGAACCTTCTTATTGCAGCCATCTG
TGGTTACCTTCCAGACCCAGCAGCTCCAGGCTTCTGAACATGAAATTAATAGGGCAG
ATGAAGTGAAGCATTGACATTTCTCTTCTTCTGAAAAGTCATTCATCATGGGACAG
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AAGCAGACTCACTAATTTATGATATAGCAACAATAAAGATGCATTGAGGAAGACATGGA
ACCCTAAGTTTACATTGAGAAGTCACTTTGATGGCATCCGAGCCCTTGCTTTCCATCCCA
TTGAGCCTGTTTTGATAACAGCATCAGAGGATCACACATTAATAATGTGGAATTTACAGA
AAACAGCCCCAGCCAAAAGAGCACTTCTCTTGTGTAGAACCTATCTATACATTCAGAG
CCCATAAAGGTCCAGTCTTTGTGTGTAATGAGCAGCAATGGTGAGCAGTGTACAGTG
GTGGTACTGATGGACTGATCCAGGGCTGGAATACCACTAATCCCAACATCGACCCCTATG
ATTCTTATGATCCTTCTGTTTTACGAGGCCCTCTGCTAGGCCACACGGATGCAGTCTGGG
GTTTGGCTTATAGTGCAGCACATCAGCGTTTTGTTGTCCTGTTACAGCAGATGGCACTCTGC
GTTTATGGAATACAACTGAGTTGCTCCAGCACTAAGTGTATTTAATGATACTAAAGAAC
TGGGAATCCCTGCCTCTGTGGATCTAGTGAGCAGTGACCCGAGCCATATGGTAGCATCAT
TCAGCAAGGGATATAACAAGCATTTTAAACATGGAAACACAACAACGCATTCTCACTTTAG
AATCCAATGTAGATACAACAGCCAACCTTCTCTGCCAAATAAATAGAGTCATCAGTCATC
CTACTCTCCGATCAGCATCACTGCTCATGAAGACAGGCACATCAAAATCTATGATAACA
ATACAGGCAAACTGATCCACTCGATGGTAGCCACCTAGAAGCTGTTACAAGTTTAGCAG
TTGATCCCAATGGCCTTTACTTGTGCTGGCAGTCATGACTGTTCAATACGTTTTATGGA
ATCTAGAAAAGTAAGACGTGTATCCAAGAATTCACAGCTCATCGAAAAAAGTTTGAAGAAT
CGATTCATGATGTAGCTTCCACCCATCCAAATGCTATATAGCCAGTGTGGAGCTGACG
CACTGGCTAAAGTCTTTGTATGACGCAATGCATCATCTTCACCTTCTAGCTGTTTATAAG
TAATCAACTGCACACAAGAGATACAGAAGACGAGGGCAAGAATCATCTCGTCTGCCCTT
TTGTTCTGCTGAAGGAGCACAGAGAACATTTGTTGAAGTATAGTTTTGCAATTCATATAC
TGTTTTCTAAAATAAGTTTGTTCAGGTTGCTGCAXXXXXXXXXXXXXXXXXXCTCGAC
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_003162 unedited</p> <pre> CCCCGCCCGTTGCCGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAG CTCATTTAGGTGACACTATAGAATAACAAGCTACTTGTCTTTTTGCAGCGGCCGCGAATT CGGCACGAGGGCTTGCCGCCGCTGTTGCCTCCGCTGCTGGGCGCCGGGGCAGCTCCCCGG GTATCTGCGGCCCATGGACGAGCAGGCGGGTCCCGCGTCTTCTTTCAGCAACAACCAC CCGGGCGCCGGCGGTGCCAAGGGGGCTCGGGCTCTGGCGGAGGCTGCCGCGCCGGCGA CGGGCGCGCTGCGGCGGGGGCGGCCAGCCAGTACAGTCTCCCGGGGATCTGCACCT CCTGCAGCACGAGTGGGCCCGCTTCGAGGTGGAGAGAGCCAGTGGGAGGTGGAGCGGGC GGAGCTGCAGGCCAGATTGCCTTCTGCAGGGAGAAAGGAAGGGCCAAGAAAATTTGAA GAAGGATCTTGTGAGGAGGATCAAAATGTTGGAGTATGCTCTTAAACAGGAAAGACCAA ATACCACAAGTTGAAATACGGGACAGAATTGAATCAGGGAGATATGAAGCCTCCAAGCTA TGATTCTGATGAAGTAATGAAACAGAAGTGCAGCCACAACAAACAGCCAGTTAATGTG GAAACAAGGTCGACAACACTCAGACAGTATCTACAGGAGGTGGTTATACAGATACTAT TCTAGATGTGAAATCTAAACGAGTGCAGCTTTTGTGGGCTTTTCAAGTATGTCACGGA CAGGGNAAGATGACANAATCAGGACTCAGTTGTAATGGCACAGAGGCCTGAGNNTAAG AGACCAGCATGATTTGCAAATCTGAGTTAACAGAATCTTGCCCTCCGTGCTGGNATAATTC AAATCCCTTGAAGTGCAGCTGCANAATTCANTGATGAANATGAAAATAAATGATTTTGTG TGAANAANAAGCGTCATTGATACTCAACATG </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_003162 unedited</p> <pre> NGGCGTTACTACTATGNNACCGCGCCGCTTCTANNGATCGGTTTTTTTTTTTTTTTTTTT TACAAAATATTTGTTTTATTAGTGCTTCTGAAAACAGCTGCGTGAAGTTAACATACT CTTTGGGCTATTAATAATTATGAACTGTTCTTGGTAGATGTCAGATAACTGAACGTGAC AAAGAAGAAAGAGCACAGATCATCTGAAGCATGATTAGGTGGGTGTTGATAAATGATTAT TAGCAAATAAATCTATCTTTTCAGTCACTGAAAAGTAAGATTTTCATTGGTATGAAATAA TCACTCTGGTACTATAAATGTCACATGAATAAAGTGAATTTTAAATAGAAATTTAAAT GAGATATGCCCTGTTTACCCTTAAAAATAAACAGAAATTTCAAACCTGAATAAGTTAAATC TGTTAGTAAAAGCAGAGTCGATCAACTATTCTTCACAATGGTGAAGTGCTTGATAGCTAAA CTTTAGAAATGATACCAAATCTGTTTTTCAAACACTGTGATACAATATAGAAATCTGCTTGA AACTATTTGTCTAGCATTCTGAATAAATAATATTTAACATATTATTGCATTTTTCTTC CCCTTACAGGGAAAATGCTTTGCCAGGTGCTTTATGTGAACAGCCTGAAGGAGAGTCAAA ATTAAAAACTCCGTTTTACCCTGCTGGGCATTTTACACCAAGGGGGTTAATATGGCCGA ATTGATAAAAAATTCCATTTTTGACTACTTAAAGGGGTTTTAAACAGAATTTCTCAAGGG AGAAACTTGGGTCTAAATTTTCCCGTTGTTTTTTATTTTCAGTCCCGGCTATGAAAGG CGTTTTAAATTTCCCTTGGGGACGGGCCTACTTTCTCAACCGGGACGAGGCTAAAC TTTGGTTTCTT </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003162
<b>Insert Size:</b>	3500 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).

**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\\_003162.2](#), [NP\\_003153.2](#)

**RefSeq Size:** 3479 bp

**RefSeq ORF:** 2343 bp

**Locus ID:** 6801

**UniProt ID:** [O43815](#)

**Cytogenetics:** 2p22.2

**Domains:** WD40

**Gene Summary:** Calmodulin-binding protein which may function as scaffolding or signaling protein and may play a role in dendritic Ca(2+) signaling.[UniProtKB/Swiss-Prot Function]