

Product datasheet for **SC115253**

Striatin 4 (STRN4) (NM_013403) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Striatin 4 (STRN4) (NM_013403) Human Untagged Clone
Tag:	Tag Free
Symbol:	Striatin 4
Synonyms:	PPP2R6C; ZIN; zinedin
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_013403, the custom clone sequence may differ by one or more nucleotides

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ATGATGGAGGAGCGAGCGGCCGCCGCGGTGCGCCGCCGCCCTCCTCCTGCCGTCCGCTCGGCTCAGGCG
CGGGCCCTGGCCCACTGGGGCGGCCCGGTCTCCGCCCTGCCCGGGCCGGGCCAGGTAAGGG
AGGCGGCGGGAGGCAGCCCGGGCCACGGCGGGCCGGAGCCCTGAGCCTGCCGGGATCCTGCAC
TTTATCCAGCACGAGTGGGCGCGCTTCTGAAGCCGAGAAAGCCCGCTGGGAGGCCGAGCGCCGAGTTAC
AGGCTCAGGTGGCCTTCCTTCAGGGAGAGAGAAAGGGCAGGAGAATCTAAAGACGGACCTGGTGCGGCG
GATCAAGATGCTAGAGTATGCGCTGAAGCAGGAAAGGGCCAAATATCATAAACTGAAGTTTGGGACAGAC
CTGAACCAGGGGAGAAGAAAGCAGATGTGTCAGAACAAGTCTCCAATGGCCCGTGGAATCGGTACCC
TGGAGAACAGCCCGTTGGTGTGGAAGGAGGGCGGCAGCTTCTCCGACAGTACCTGGAAGAGGTGGGCTA
CACAGACACCATCCTCGACATGCGGTCCAAGCGCGTCCGTTCCCTGCTGGGCCGCTCGTGGAGCTCAAC
GGGCGAGTGGAGCCGAGTGAAGGGGCCCCAGGGCTCCACCAGGCCCTGCAGGGCTCAGTGGTGGGAGT
CGCTGCTGGTGAACAGATCGAGGAGCAGATAAAGAGGAACGCGCAGGCAAAGATGGCAAAGAGCGCTT
GGGCGGCTCAGTCTGGGCGAGATCCCCTTCTGCAGAACTGCGAGGACGAAGACAGCGACGAGGACGAT
GAGCTGGACAGCGTGCAGCACAAGAAGCAGCGTGTGAAGCTCCCATCCAAGGCTCTGGTGCCCGAAATGG
AAGACGAGGATGAGGAAGACGACTCTGAGGATGCTATCAATGAGTTTGATTTCTGGGCTCAGGAGAGGA
TGGGGAAGGGGCTCCAGACCCTCGGCGGTGCACTGTGGATGGGAGCCCCATGAGCTGGAAGCCGTGCG
GTCAAACCTCAAGGCACTTCTGGCTGACCTGCGGGATGTGGATGGGCTGCCCCAAAGTGACTGGCCCGC
CTCCTGGCACACCCAGCCCGGCCACATGAAGACGTCTTCATCATGGACACTATCGGGGGCGGGGAGGT
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CCACGTCTGGAGGGCCACGGGGACGCGGTGTGGGCTGGCCTTCACTCCACCTCCAGCGCCTGGCC
TCCTGTTCTGCTGATGGCACCGTCCGCATCTGGGACCCAGCAGCAGCAGCCGGCTGCCTCTGCACCT
TCCCCACAGCCAGCGAGCAGGGGTCCCCACCTCAGTGGCCTTACCAGCACCGAGCCTGCCACATCGT
GGCCTCCTCCGCTCTGGCGACACCGTCTGTATGACATGGAGGTTGGCAGTGCCTCCTCACGCTGGAG
TCCCGGGGACAGCGGTCCAACCCAGATCAACCAAGTGGTGAAGTCAACCAAGCCTCTCACCATCA
CCGCCCACGACGACAGGGGCATCCGCTTCTGGACAATCGGACAGGTAAGCCGGTGCACCTCCATGTTGC
ACACCTGGACGAGTACCTGCCTAGCCGTGGACCCCAACGGCGCATTCTGATGTGAGGAGCCATGAC
TGCTCCCTGCGTCTCTGGAGCCTGGACAACAAACGTGCGTGCAGGAGATCACGGCCACCAGCAAGAAGC
ACGAGGAGGCCATCCACGCTGTTGCCTGCCACCCAGCAAGGCCCTATTGCCAGTGTGGCGCTGATGC
CCTGGCCAAGGTCTTCGTATGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013403 unedited
 CGCCCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCT
 CATTAGTGACTACTATAGAATACAAGCTACTTGTCTTTTTGACAGCGCCGCAATTCCG
 GCACGAGGCGCAGGCGCGCAGGACAGCGGGCGCGGGCCGGCCCCGGGGCCCTCCATG
 ATGGAGGAGCGAGCGGCCCGCGGTGCGCGCCCGCCCTCCTCCTGCCGTCCGCTCGG
 TCAGGCGCGGGCCCTGGCCCCACTGGGGCGGCCCGGTCTCCGCCCTGCCCGGGCCG
 GGCCCCGAGGTAAAGGAGGCGCGCGGAGGCAGCCCCGGGCCACGGCGGGCCCGGAG
 CCCTGAGCCTGCCGGGATCCTGCACTTATCCAGCACGAGTGGGCGCGCTTCGAAGCC
 GAGAAAGCCCGTGGGAGGCCGAGCGCGCGAGTTACAGGCTCAGGTGGCCTTCCTTCAG
 GGAGAGAGGAAAGGGCAGGAGAATCTAAAGACGGACCTGGTGCAGCGGATCAAGATGCTA
 GAGTATGCGCTGAAGCAGGAAAGGGCCAAATATCATAAACCTGAAGTTTGGGACAGACCT
 GAACCAGGNGGAGAAGAAAGCAGATGTGTGAGAAAGTCTCCAATGGCCCCGTGGAAT
 CGGTACCCTGGAGACAGCCGTTGTGGTAAAGAGGGGCGCAGCTTCTCCGACAGTAC
 CTGGAAGAGGTGGGCTACACAGACACCCTCCTCGACATGCGGGTCAAGCGGCGTCCGTT
 CCTGCTGGGCCCGCTCGCTGACTCACGGNGGCAGTNGAGCCGAGATGAAGGGGCCCCCA
 GGNCTNACCAGCCCTGCAGGGCTCAAGGGNNGGGAAATTCCTTGCTTGTGAAACAAA
 TCGAGGAGCAAATAAGGAGAACCGCCGNAGGCCAAGATGGCAAAGCGCTGGCNCGGTCCA
 TGCTTGGGGCAAAACCCTCCTGCNAACTGNNAGGAAACAAACAGGACAAGGACAATGACTG
 ACAAGTGACACAAAAAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_013403 unedited
 ATGATACATTAATGTACCGCGGCGCTATCTATGTCGAGTTTTTTTTTTTTTTTTTACT
 CCAAAGGTTTATGAGACAAGTTTTACATACAAGATGGGGACAGAGGGTTGGGGCTT
 ATAAACAGGAACCTGGAAGGGGACCGAGGTGACGGTGAACCAACAAGAGAGTGAAA
 TAAATAGAGGAAAGAGTGGAGACAGGGAGGAGACTGACTGAGACCATCACACAGTGATA
 ATGCGGGTGGGGCGCGCCATGAAAATCCCGTTATTTATACAGATATACAGGGAGTTCAG
 GGGGACCCGAGGCCCACTCCACCCTCCATGCCCCAGGGAGGGGCACAAGAAAGCCGTCTC
 TACCCATGGGCGACCCCATGGGGCGCTGGGAGGGCTGCCCTAGGAGTGTGGGCAATCCC
 TGGCCTGGAAGCCTTGGTTAGTGTCTGAAAGCAGTGGAGAGGGCCGAGGGGAGAGGCA
 GCCAGGCCGGGGCTCAGCTCTGAGGCTCCCGGCTGCCACCCTTTCTCCCAGCACAGCTCC
 TGCCAGGTCTGGGAGGATGGGGATGGGGGAGCAGGAGCTCAAGGGGAGAACCTGGCAC
 CTCTGGAGTCTTGAAAAACTGATCCCTAAAGACACCCGGCCCTGGCTGTGCTGCCCTC
 TGGAAAGCAGCTCTGATACCAGGAGCGGCTGTCAGGGCACAGGGGAAACCCCGAGGCCA
 TCCTCGGGGTGATTCTGATAGGGGCCATCCCAGGCTGGATGCTTGGGGAATGCAGC
 CGTTGGGGATGGATTCTGGGAAAGGGGGCGTAGCACCACCAGGCTCCACGGCAACAGA
 CAGAGGCCAGGCTCTGCACCTCCAGCGAGGCTGGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_013403

Insert Size:

3500 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_013403.1](#), [NP_037535.1](#)

RefSeq Size: 3221 bp

RefSeq ORF: 2262 bp

Locus ID: 29888

UniProt ID: [Q9NRL3](#)

Cytogenetics: 19q13.32

Domains: WD40

Gene Summary: Binds calmodulin in a calcium dependent manner. May function as scaffolding or signaling protein.[UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (1) uses an alternate splice site in the central coding region, compared to variant 2. The resulting isoform (1) lacks an internal 7-aa segment, compared to isoform 2.