

Product datasheet for **SC314505**

Striatin3 (STRN3) (NM_014574) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Striatin3 (STRN3) (NM_014574) Human Untagged Clone
Tag:	Tag Free
Symbol:	Striatin3
Synonyms:	PPP2R6B; S/G2NA; SG2NA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC314505 representing NM_014574.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGACGAGCTTGCCGGAGGCGGTGGTGGCGGCCCGGGGATGGCGGCCCTCCCGGCAGCAGCAGGGA
CCTGGGGGAACCTGGGCCTTTCGCCGGGGGAACGGAGCGGGCGGGGGTCTCCGGCTCC
GAGGGAGCGGGTCCCGCGCAGGCCCGAGCTGTCCCGCCGCAGCAGTACACTATCCCGGGTACTG
CACTACATCCAGCAGAGTGGGCTCGGTTTCGAGATGGAGCGGGCAGTGGGAGGTGGAACGGGCCGAA
CTGCAGGCCCGGATTGCATTTCTACAAGGCGAAAGAAAAGGTCAAGAGAACCTGAAGAAGGACTTAGTA
AGAAGAATAAAGATGTTAGAGTATGCATTAACAAGAAAGGCAAAATATCACAAATTAATAATGGC
ACGGAAGTGAACCAAGGTGACTTGAATAAGCAACCTTTGAGTCAGAAGAAACCAAGACACAGAGGCT
CCCACAGCACCTCAGAAAGCCAGTTAACGTGGAAGCAAGGCAGACAGCTTTAAGACAGTATCTTCAG
GAAGTAGGTTATACAGATACAATATTAGATGTACGGTCTCAGCGGTAAAGTCATTACTTGGACTATCT
AATTCAGAACCAATGGATCAGTAGAAACAAGAAATTTAGAACAGATCCTGAATGGAGGTGAATCTCT
AAGCAAAAGGGACAAGAAATAAAAAGGTCTCTGGTGATGTTCTTGAGAGTTCAATTTCTAGAAAAT
GCCGATGACAGTATGAAGATGAGGAAAATGACATGATCGAAGGCATCCAGAAGGAAAAGACAAACAT
CGGATGAATAACATAAAAATAGTAATGAAGGTTTAGCTGCTGACCTAACTGACGATCCTGATACTGAG
GAAGCACTGAAAGAAATTTGATTTTTAGTACTGCTGAAGATGGTGAAGGAGCTGGAGAAGCAGGAGT
TCGGGGGATGGCAGAAATGGGCTGAACCAATAACGTTTCCATCTGGAGGAGGCAAGTCATTTATTATG
GGTCTGATGATGTTTTGTTAAGTGTACTGGCCCTTGAGACCTTGACAGCTTGCAGGTAACAAATGAT
GCAGACTATAGTTATGATTTGCCTGCTAATAAAGATGCCTTTGAAAGACATGGAATCCCAAGTATA
CTACGTAGCCATTTTGTGGAGTACGGCATTAGCTTTTTCATCCTGTAGAACCTGTGCTGGTACTGCT
TCTGAGGACCATACCTGAAACTTTGAACTGCAAAAAACAGTTCTGCAAAAAAGAGTGCCTCTTTA
GATGTAGAGCCTATCTACACATTTAGGGCCACATCGGCCTGTTCTGTCTATTAGCTATTAGTTCTAAT
GGAGAAGTGTGTTTAGTGGTGTATTGATGCAACCATCCAGTGGTGAATATGCCGAGTCCAGTGTA
GATCCATATGATACATATGAGCCAAATGTTCTAGCTGGCACTTTAGTTGGTCATACAGATGCAGTTGG
GGTCTTGCTTATAGTGGCATAAAAAATCAATTACTGTCTTGTTCAGCAGATGGCACTGTTAGGTTATGG
AATCCACAAGAAAAATTGCCATGATTTGCACTTACAATGGAGATAAAAAGCATGGAATACCTACATCA
GTTGACTTTATAGGCTGTATCCAGCTCATATGGTAACCTTTTCAACTGGTAGTGCAGTAATTTAT
GATTTAGAAACATCACAGTCATTGGTGATACTTTTCATCACAGGTAGATTCTGGTTTACAATCTAATAAT
CATATCAACAGAGTAGTAAGTCATCCACACTTCTGTTACAATAACTGCTCATGAAGATAGACACATC
AAATTTTTTGAATAAAAACGGGTAATAATGATCCATTCTATGGTAGTCACTTGGATGCTGTTACAAGT
CTAGCAGTAGATCCTAATGGAATCTATTTGATGTCTGGAAGCCATGACTGTTCCATCAGATTATGGAAT
TTAGACAGCAAGACATGTGTGCAAGAAATAACAGCTCACAGAAAGAAATGGATGAATCAATTTATGAT
GTTGCTTTCCACTCGTCAAAGCATATATAGCTAGTGCAGGAGCTGATGCTTTGCCAAAGTATTTGTA
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI
ACCN: NM_014574
Insert Size: 2142 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](#)

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.

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_014574.3](#)

RefSeq Size: 3981 bp

RefSeq ORF: 2142 bp

Locus ID: 29966

UniProt ID: [Q13033](#)

Cytogenetics: 14q12

Domains: WD40

MW: 77.7 kDa

Gene Summary: Binds calmodulin in a calcium dependent manner. May function as scaffolding or signaling protein.[UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (2) lacks alternate in-frame exons, compared to variant 1, resulting in a shorter protein (isoform 2, also known as the alpha isoform), compared to isoform 1.