

Product datasheet for **RG215098**

Striatin (STRN) (NM_003162) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Striatin (STRN) (NM_003162) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Striatin |
| Synonyms: | PPP2R6A; SG2NA; STRN1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG215098 representing NM_003162
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACGAGCAGGCGGGTCCCGCGTCTTCTTCAGCAACAACCACCCGGGCGCCGGCGGTGCCAAGGGC
 TCGGGCCTCTGGCGGAGGCTGCCGCGGCCGCGCAGCGGGCGGCTGCGGCGGGGGCGGCCGAGCCAGTA
 CAGTCTCCCGGGGATCCTGCACTTCTGCAAGCAGGAGTGGGCCCGCTTCGAGGTGGAGAGAGCCAGTGG
 GAGGTGGAGCGGGCGGAGCTGCAGGCCAGATTGCCTTCTGCAGGGAGAAAGGAAGGGCCAAGAAAATT
 TGAAGAAGGATCTTGTGAGGAGGATCAAAATGTTGGAGTATGCTCTTAAACAGGAAAGAGCCAAATACCA
 CAAGTTGAAATACGGGACAGAATTGAATCAGGGAGATATGAAGCCTCCAAGCTATGATTCTGATGAAGGT
 AATGAAACAGAAGTGCAGCCACAACAAACAGCCAGTTAATGTGAAACAAGGTCGACAACACTACTCAGAC
 AGTATCTACAGGAGGTGGTTATACAGATACTATTCTAGATGTGAAATCTAAACGAGTGCAGCTTTGTT
 GGGCTTTTCAAGTGTATGCAGGACAGGAAGATGACAAAAATCAGGACTCAGTTGTAATGGCACAGAG
 GCTGAAGTTAAAGAGACAGCAATGATTGCAAAATCTGAGTTAACAGATTCTGCCTCCGTGCTGGATAATT
 TCAAAATCCTTGAAGTGCAGCTGCAGATTTCACTGATGAAGATGAAGATGATGATGTTGATGGAAGAGA
 GAAAAGCGTCAATTGATACTTCAACAATTGTTAGGAAAAAGCATTGCCTGACAGCGGTGAAGATCGAGAT
 ACAAAGAAGCTCTAAAGGAGTTGACTTCTTGGTTACATCAGAGGAAGGAGACAATGAATCTAGAAGTG
 CAGGCGATGGAACAGACTGGGAAAAGGAAGACCAGTGTCTCATGCCTGAAGCCTGGAATGTGACCAGGG
 AGTAATTACAAACTCAAGGAACAATACAAAAGGAGAGAAAAGGGGAAAAGGGGTGAAGAGGCCCAAT
 AGGTCAAAACACAAGATATGCTTGCTAATTTGAGAGATGTTGATGAACCTCCTTCATTGCAGCCATCTG
 TGGGTTACCTTCCAGACCCAGCAGCTCCAGGCTTCTGAACATGAAATTAATAGGCAGATGAAGTGA
 AGCATTGACATTTCTCCTTCTTCTGAAAAGTCATTCATCATGGGAGCAGATGAAGCCCTTGAAAGTGAA
 CTGGGACTTGGAGAACTAGCAGGCTTACGGTGGCCAATGAAGCAGACTACTAACTTATGATATAGCAA
 ACAATAAAGATGCATTGAGGAAGACATGGAACCCTAAGTTTACATTGAGAAGTCACTTTGATGGCATCCG
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 AATTTACAGAAAACAGCCCAGCCAAAAGAGCACTTCTTGTGATGTAACCTATCTATACATTACAGAG
 CCCATAAAGGTCCAGTGTCTTGTGGTAAATGAGCAGCAATGGTGGCAGTGTACAGTGGTGGTACTGA
 TGGACTGATCCAGGGCTGGAATACCACTAATCCCAACATCGACCCTATGATTCTTATGATCCTTCTGTT
 TTACGAGGCCCTCTGCTAGGCCACAGGATGCAGTCTGGGTTTGGCTTATAGTGCAGCACATCAGCGTT
 TGTGTCTCTGTTACGAGATGGCACTCTGCGTTTATGGAATACAACCTGAGGTTGCTCCAGCCTAAGTGT
 ATTTAATGATACTAAAGAACTGGGAATCCCTGCCTCTGTGGATCTAGTGAGCAGTGACCCGAGCCATATG
 GTAGCATCATTACGAAGGGATATACAAGCATTTTAAACATGGAACACAACAACGCATTCTCACTTTAG
 AATCCAATGTAGATACAACAGCCAACCTTCTGCCAAAATAAATAGAGTCATCAGTCATCTACTCTTCC
 GATCAGCATCACTGCTCATGAAGACAGGCACATCAAATCTATGATAACAATACAGGCAAACTGATCCAC
 TCGATGGTAGCCACCTAGAAGCTGTTACAAGTTTAGCAGTTGATCCCAATGGCCTTTACTTGATGTCTG
 GCAGTCATGACTGTTCAATACGTTTATGGAATCTAGAAAGTAAGACGTGTATCCAAGAATTCACAGCTCA
 TCGAAAAAAGTTTGAAGAATCGATTATGATGTAGCTTCCACCCATCCAATGCTATATAGCCAGTGTCT
 GGAGCTGACGCACTGGCTAAAGTCTTTGTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG215098 representing NM_003162
 Red=Cloning site Green=Tags(s)

MDEQAGPGVFFSNNHPGAGGAKGLGPLAEAAAAGDGAAGAARAQYSLPGILHFLQHEWARFEVERAQW
 EVERAELQAQIAFLQGERKGQENLKKDLVRRIKMLEYALKQERAKYHKLKYGTELNQGDMKPPSYDSDEG
 NETEVQPQNSQLMWMKQGRQLLRQYLQEVGYTDTILDVKSKRVRALLGFSSDVTDREDDKNQDSVNGTE
 AEVKETAMIAKSELTDSASVLDNFKFLESAADFSEDEDDDDVDGREKSVIDTSTIVRKKALPDSGEDRD
 TKEALKEFDLVTSEEGDNEERSAGDGTDWEKEDQCLMPEAWNVDQGVITKLKEQYKKERKGGKGVKRPN
 RSKLQDMLANLRDVELPSLQPSVSGSPSRPSSRLPEHEINRADEVEALTFPPSSGKSFIMGAEALESE
 LGLGELAGLTVANEADSLTYDIANNKDALRKTWNPKFTLRSHFDGIRALAFHPIEPVLITASEDHTLKMW
 NLQKTAPAKKSTSLDVEPIYTFRAHKGPVLCVVMSSNGEQCYSGGTDGLIQGWNTNPNIDPYDSYDPSV
 LRGPLLGHGHTDAVWGLAYSAHQRLSCSADGTLRLWNTTEVAPALSVFNDTKELGIPASVDLVSSDPSHM
 VASFSGYTSIFNMETQQRILTLESNVDTTANSSCQINRVISHPTLPISITAHEDRHIFKFDYDNTGKLIH
 SMVAHLEAVTSLAVDPNGLYLMGSHDCSIRLWNLESKTCIQEFTAHRKKFEESIHDVAFHPKCYIASA
 GADALAKVFFV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003162

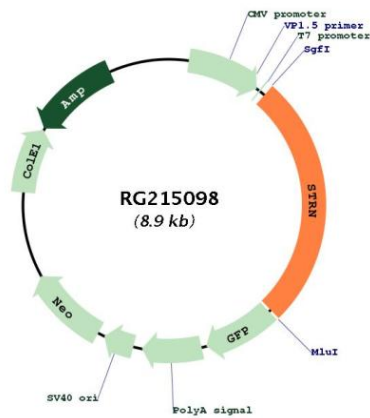
ORF Size: 2340 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

- 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_003162.4](#)
- 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]

Product images:



Circular map for RG215098