

Product datasheet for **RG214919**

Striatin 4 (STRN4) (NM_001039877) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Striatin 4 (STRN4) (NM_001039877) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STRN4
Synonyms:	PPP2R6C; ZIN; zinedin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG214919 representing NM_001039877
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGAGGAGCGAGCGGCCGCCGGTCCGCCGCCGCCCTCCTCCTGCCGTCGCTCGGCTCAGGCG
 CGGGCCCTGGCCCACTGGGGCGGCCCCGGTCTCCGCCCTGCCCGGGCCGGGCCGGCAGGTAAAGG
 AGGCGCGGGCGGAGGCAGCCCGGGCCACGGCGGGCCGGAGCCCTGAGCCTGCCGGGATCCTGCAC
 TTTATCCAGCACGAGTGGGCGCGCTTCGAAGCCGAGAAAGCCCGTGGGAGGCCGAGCGCCGAGTTAC
 AGGCTCAGGTGGCCTTCTTCAGGGAGAGAGAAAGGGCAGGAGAATCTAAAGACGGACCTGGTCCGGC
 GATCAAGATGCTAGAGTATGCGCTGAAGCAGGAAAGGGCCAAATATCATAAACTGAAGTTTGGGACAGAC
 CTGAACCAGGGGAGAAGAAAGCAGATGTGTGAGAACAAGTCTCCAATGGCCCGTGAATCGGTACCC
 TGGAGAACAGCCCGTTGGTGTGGAAGGAGGGCGGCAGCTTCTCCGACAGTACCTGGAAGAGGTGGGCTA
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 GGGGCAGTGGAGCCGAGTGAAGGGGCCCCAGGGCTCCACCAGGCCCTGCAGGGCTCAGTGGTGGGGAGT
 CGCTGCTGGTGAACAGATCGAGGAGCAGATAAAGAGGAACGCGGCAGGCAAAGATGGCAAAGAGCGCTT
 GGGCGGCTCAGTCTGGGGCAGATCCCCTTCTGCAGAACTGCGAGGACGAAGACAGCGACGAGGACGAT
 GAGCTGGACAGCGTGCAGCACAAGAAGCAGCGTGTGAAGTCCCATCCAAGGCTCTGGTCCCGAAATGG
 AAGACGAGGATGAGGAAGACGACTCTGAGGATGCTATCAATGAGTTTGATTTCTGGGCTCAGGAGAGGA
 TGGGAAGGGGCTCCAGACCCTCGGCGGTGACTGTGGATGGGAGCCCCATGAGCTGGAAGCCGTCGG
 GTCAAACCTCAAGGATTCTGGCTGACCTGCGGGATGTGGATGGGCTGCCCAAAAGTACTGCCCCG
 CTCTGGCACACCCAGCCCCGCCACATGAAGGTTCTTTGGTCTCCTCAGACGTCTTCATCATGGA
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 AGCTGCGATCTGTCTGACAGCAAAGATGCTTTTAAAGAGCGTGAACCCCAAGTTCACCCTGCGCTCGC
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 CACGCTCAAGCTCTGGAACCTGCAGAAGCGGTACGGCCAAGAAGAATGCGGGCTAGATGTGGAACCT
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 AGTGCCCTCCTACGCTGGAGTCCCGGGGACGAGCGGTCCAACCCAGATCAACCAAGTGGTGGATCATC
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 GCCGGTGCACCTCCATGGTTGCACACCTGGACGCGTCACTGCCTAGCCGTGGACCCCAACGGCGCATT
 CTGATGTCAGGAAGCCATGACTGCTCCCTGCGTCTCTGGAGCCTGGACAACAAACGTGCGTGCAGGAGA
 TCACGGCCACCGCAAGAAGCAGGAGGCCATCCACGCTGTTGCTGCCACCCCAAGGCCCTCAT
 TGCCAGTCTGGCGCTGATGCCCTGGCCAAGTCTTCGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214919 representing NM_001039877
 Red=Cloning site Green=Tags(s)

MMEERAAA AVAAASCRPLGSGAGPGPTGAAPVSAPAPGPGPAGKGGGGGSPGPTAGPEPLSLPGILH
 FIQHEWARFEAEKARWEAERAELQAQVAF LQGERKQENLKTDLVRRIKMLEYALKQERAKYHKLKFGTD
 LNQGEKKADVSEQVSNPVE SVTLENSPLVWKEGRQLLRQYLEEVGYTDTILDMRSKRVRSLGRSLELN
 GAVEPSEGAPRAPPAGL SGGESLLVKQIEEQIKRNAAGKDGKERLGGSVLGQIPFLQNCEDSDDEDD
 ELDSVQHKKQRVKLPSKALVPEMEDEDEEDDSEDAINEFDL GSGEDGEGAPDPRRCTVDGSPHELESRR
 VKLQGILADLRDVG LPPKVTGPPPGTPQPRPHEGSFGFSSDVFIMDTIGGGEVSLGDLADLTVTNDNDL
 SCDLSDSKDAFKKTWPKF TLRSHYDGIRSLAFHHSQSALLTASEDGT LKLWNLQKAVTAKKNAALDVPEP
 IHAFRAHRGPVLAVAMGNS EYCYSGGADACIHSWKIPDLSMDPYDGYDPSVLSHVLEGHGDAVWGLAFS
 PTSQRLASCSADGTVRIWDPSSSPA CLCTFPTASEHGVP TSVAFTSTEPAHIVASFRSGD TVLYDMEVG
 SALLTLESRGSSGPTQINQVVSHPNQPLTITAHDDR GIRFLDNRTGKPVHSMVAHLDAV TCLAVDPNGAF
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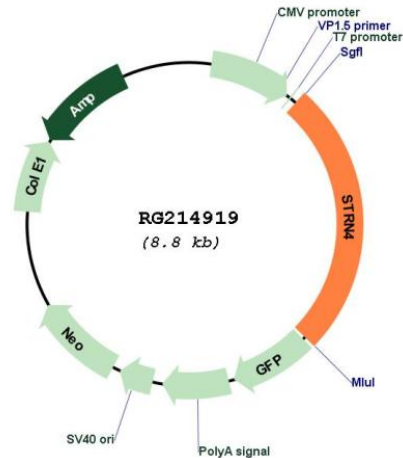
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_001039877

ORF Size: 2280 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_001039877.2](#)

RefSeq Size: 3242 bp

RefSeq ORF: 2283 bp

Locus ID: 29888

UniProt ID: [Q9NRL3](#)

Cytogenetics: 19q13.32

Gene Summary: Binds calmodulin in a calcium dependent manner. May function as scaffolding or signaling protein.[UniProtKB/Swiss-Prot Function]