

Product datasheet for **MG210513**

Strn4 (NM_133789) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Strn4 (NM_133789) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Strn4
Synonyms:	C80611; 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:

>MG210513 representing NM_133789
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGATGGAGGAGCGAGCGGCCGCCCGGTGCGCATCGGCCGCTCCTCCTGCCGCCCTCTGGGCTCGGGCA
CGGCTCCAACCCGACGCGCGGCCGCCCGGCTCCAGCCCTGCTCCTGGGCCCGGCCGGTAGGAAAAGG
AGGTGGCGGGCGGAGGCGAGCCCGGCCCTACGGCGGGCCGGAGCCCTCAGCCTGCCGGGATCCTGCAC
TTTATCCAACACGAGTGGGCACGCTTCGAAGCCGAGAAGGCCGCTGGGAGGCCGAGCGCCGAGCTGC
AGGCTCAGGTGGCTTTCCTCCAGGGGAGAGGAAAGGCCAAGAGAATCTAAAGACGGACCTGGTGGCGG
GATCAAGATGCTGGAGTATGCACATAAAGCAGGAGAGGGCCAAATATCATAAACTGAAGTTTGGTACAGAC
CTGAATCAGGGGAGAAGAAGACAGATCTGTGAGAACAAGTCTCCAATGGCCCTGTAGAGTCGGTCACAC
TGGAGAACAGCCATTGGTGTGGAAGGAGGGTCGACAGCTTCTGCGACAGTACCTGGAAGAGGTGGGCTA
CACAGATACCATCTTGGACATGCGGTCCAAGCGTGTGCGTTCCCTTCTGGGCCGTTCACTGGAACCTAAT
GGGGCCGGTGAGCCCGTTGAGGGGGCCCCAGGGCTTACCAGGCCCTGGGGGACTTAGCGGTGGCGAGT
CTCTACTGGTAAAACAGATCGAGGAACAGATCAAGAGGAATGCAGCTGGCAAAGATGGCAAGGAGCGCCT
GGTGGCTCGGTGCTGGAGCAGATACCTTCTGCAGAACTGCGAGGATGAAGACAGCGATGAGGATGAT
GAACTGGACAGTGTGACGATAAGAAGCAACGTGTGAGGCTCCATCCAAGGCCCTAGTGCCTGAAATGG
AGGACGAGGATGAAGAGGATGACTCAGAAGATGCCATCAATGAGTTTGATTTCTGGGCTCAGGAGAGGA
TGGAGAGGGGTCTCCAGATCCTCGACGTTGACTTCCAGAGGGAAACCCCATGAGCTGGAAGCCGTCGG
GTCAAACCTCCAGGAATCTTGTGACCTCCGGATGTGGATGGGCTGCCCCGAAAGTACTGTCCAC
CACTATCGGGGGCGGGGAGGTGAGCCTGGGGGACTTGGCAGATCTCACCGTCACCAATGACAACGACCTC
AGCTGTGATCTGTCTGACAGCAAAGACGCTTCAAGAAGACATGGAACCCCAAGTTTACCCTCCGCTCAC
ACTACGATGGCATCCGCTCCCTGGCCTTCCACCACAGCCAGTCAGCACTGCTTACTGCCTCTGAGGATGG
CACACTCAAACCTGTGAAACCTGCAGAAGGCAGTACGGCCAAGAAAAATGCTGCACTGGATGTGGAGCCG
ATTCATGCTTCCGAGCTCACAGGGGCCCGGTGCTGGCAGTCACCATGGGAGCAACAGCGAGTACTGTT
ACAGTGGTGGGCTGATGCCAGGATCCACAGCTGGAAGATTCTGACCTCAACATGGACCCATATGATGG
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CCCACCTCCCAGCGCCTAGCATCTGCTCTGCCGATGGCACCGTCCGCATCTGGGATCCCAGCAGCAGTG
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CACTGAACCTGCCATGTCGTGGCCTCCTTTCGTTCTGGTGATACCGTTCTTTATGACCTGGAAGCTGGC
AGCGCCCTTCTCACATTGGAGTCTCGAGGGAGCAGTGGCCAGCACAGATCAACCAGGTGGTGGATCACC
CAAGCCAGCCTCTCACCATCACTGCACACGACGACAGGGGCATCCGGTTCCTGGACAATCGAACAGGTAA
ATCTGTGCATTCCATGGTGGCCACCTGGATGCAGTCACTGCCTAGCTGTGGACCCAAATGGCGTGTTCT
TTGATGTCAGGAAGCCACGACTGTTCTCTGCGTTTATGGAGCCTAGACAACAAGACATGTGTGCAGGAGA
TCACGGCCACCGAAGAAGCATGAGGAGGCCATCCATGCAGTGGCCTGCCATCCCAGCAAGGCACCTTAT
TGCCAGTGTGGTGTGATGCCCTAGCCAAGGTCTTCGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210513 representing NM_133789
 Red=Cloning site Green=Tags(s)

MMEERAAAPVASAASSCRPLGSGTAPNPTAAAPASSPAPGPGVPGKGGGGGGSPGPTAGPEPLSLPGILH
 FIQHEWARFEAEKARWEAERAELQAQVAFLOGERKQENLKTDLVRRIKMLEYALKQERAKYHKLKFGTD
 LNQGEKKTDLSEQVSNPVEVSVTLENSPLVWKEGRQLLRQYLEEVGYTDTILDMRSKRVRSLGRSLELN
 GAGEPVEGAPRASPGPGGLSGGESLLVKQIEEQIKRNAAGKDGKERLGGSVLEQIPFLQNCEDSDDEDD
 ELDSVQHKKQRVRLPSKALVPEMEDEDEEDDSEDAINEFDLGSGEDGEGSPDPRRCTSEGNPHELESRR
 VKLQGILADLRDVGDLPPKVTVPPPGTPQPRPHEGSFGFSSDVFIMDTIGGGEVSLGDLADLTVTNDNDL
 SCDLSDSKDAFKKTWPKFTRSHYDGIKSLAFHHSQSALLTASEDGTLLKLNQKAVTAKKNAALDVEP
 IHAFRAHRGPVLAVTMGNSSEYCYSGGADARIHWSKIPDLNMDPYDGYDPSVLSHVLEGHGDAVWGLAFS
 PTSQRLASCSADGTVRIWDPSSSGPSCLCTFPMDGEHGIPTSVAFTSTEPAHVVASFRSGDVTLYDLEAG
 SALLTLESRGSSGPAQINQVVSHP SQPLTITAHDDRGIKFLDNRTGKSVHSMVAHLDAVTC LAVDPNGVF
 LMSGSHDCSLRLWSLDNKTCVQEI TAHRKKHEEAIHAVACHPSKALIASAGADALAKVVF

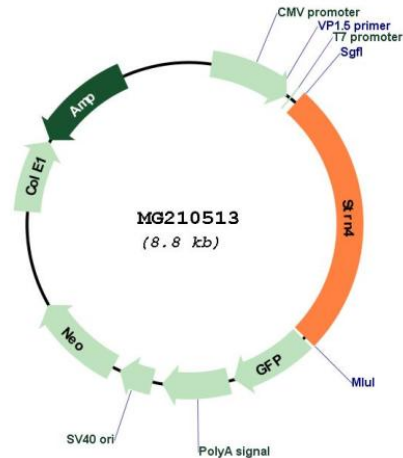
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_133789

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_133789.2](#), [NP_598550.2](#)

RefSeq Size: 3144 bp

RefSeq ORF: 2283 bp

Locus ID: 97387

UniProt ID: [P58404](#)

Cytogenetics: 7 A2

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