

## Product datasheet for **MG217108**

### Strn4 (NM\_001039878) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Strn4 (NM_001039878) 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:**

>MG217108 representing NM\_001039878  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGGAGGAGCGAGCGGCCCGCCGGTTCGCATCGGCCGCTCCTCCTGCCGCCCTCTGGGCTCGGGCA  
 CGGCTCCCAACCCGACGGCGGGCCCGCCCTCCAGCCCTGCTCCTGGGCCCGGCCGGTAGGAAAAGG  
 AGGTGGCGGGCGGAGGCAGCCCGGCCCTACGGCGGGCCGGAGCCCTCAGCCTGCCGGGATCCTGCAC  
 TTTATCCAACACGAGTGGGCACGCTTCGAAGCCGAGAAGGCCGCTGGGAGGCCGAGCGCCGAGCTGC  
 AGGCTCAGGTGGCTTTCCTCCAGGGGAGAGGAAAGGCCAAGAGAATCTAAAGACGGACCTGGTCCGGCG  
 GATCAAGATGCTGGAGTATGCACATAAAGCAGGAGAGGGCCAAATATCATAAACTGAAGTTTGGTACAGAC  
 CTGAATCAGGGGAGAAGAAGACAGATCTGTGAGAACAAGTCTCCAATGGCCCTGTAGAGTCGGTCACAC  
 TGGAGAACAGCCATTGGTGTGGAAGGAGGGTCGACAGCTTCTGCGACAGTACCTGGAAGAGGTGGGCTA  
 CACAGATACCATCTTGGACATGCGGTCCAAGCGTGTGCGTTCCCTTCTGGGCCGTTCACTGGAACCTAAT  
 GGGGCCGGTGGAGCCGTTGAGGGGGCCCCAGGGCTTACCAGGCCCTGGGGGACTTAGCGGTGGCGAGT  
 CTCTACTGGTAAAACAGATCGAGGAACAGATCAAGAGGAATGCAGCTGGCAAAGATGGCAAAGGAGCGCT  
 GGGTGGCTCGGTGCTGGAGCAGATACCTTCTGCAGAACTGCGAGGATGAAGACAGCGATGAGGATGAT  
 GAACTGGACAGTGTGCAGCATAAGAAGCAACGTGTGAGGCTCCCATCCAAGGCCCTAGTGCCTGAAATGG  
 AGGACGAGGATGAAGAGGATGACTCAGAAGATGCCATCAATGAGTTTGATTTCTGGGCTCAGGAGAGGA  
 TGGAGAGGGGTCTCCAGATCCTCGACGTTGACTTCCAGAGGGAAACCCCATGAGCTGGAAGCCGTCGG  
 GTCAAACCTCCAGGAATTCTTGTGACCTCCGGGATGTGGATGGGCTGCCCCGAAAGTACTGTCCAC  
 CTCTGGCACACCCAGCCCGCCCTCATGAAGACGCTTTCATCATGGACACTATCGGGGGCGGGGAGGT  
 GAGCCTGGGGGACTTGGCAGATCTCACCGTCACCAATGACAACGACCTCAGCTGTGATCTGTCTGACAGC  
 AAAGACGCTTTCAAGAAGACATGGAACCCCAAGTTTACCCTCCGCTCACACTACGATGGCATCCGCTCCC  
 TGGCCTTCCACCACAGCCAGTCAGCACTGCTTACTGCCTCTGAGGATGGCACACTCAAAGTGGAACTT  
 GCAGAAGGCAGTTACGGCCAAGAAAAATGCTGCACTGGATGTGGAGCCGATTCATGCTTTCCGAGCTCAC  
 AGGGGCCCGGTGCTGGCAGTCACCATGGGCAGCAACAGCGAGTACTGTTACAGTGGTGGGCTGATGCCA  
 GGATCCACAGCTGGAAGATTCTGACCTCAACATGGACCCATATGATGGCTATGACCCAAGTGTGCTGAG  
 CCATGCTCTGGAAGGCCATGGGGATGCTGTGTGGGTCTGGCCTTCAGTCCCACCTCCCAGCGCCTAGCA  
 TCCTGCTCTGCCGATGGCACCGTCCGCATCTGGGATCCCAGCAGCAGTGGTCCAAGCTGCCTCTGTACCT  
 TCCCCATGGATGGAGAACATGGAATCCCACCTCAGTGGCCTTACCAGCACTGAACCTGCCCATGTGCT  
 GGCTCCTTTCTGTTCTGGTGATACCGTTCTTTATGACCTGGAAGCTGGCAGCGCCCTTCTCACATTGGAG  
 TCTCGAGGGAGCAGTGGCCCAGCACAGATCAACCAGGTGGTGGTACCCAAAGCCAGCCTCTCACCATCA  
 CTGCACACGACGACAGGGGCATCCGGTTCCTGGACAATCGAACAGGTAATCTGTGCATTCCATGGTGGC  
 CCACCTGGATGCAGTCACCTGCCTAGCTGTGGACCCAAATGGCGTGTCTTGGATGTCAGGAAGCCACGAC  
 TGTTCTCTGCGTTTATGGAGCCTAGACAACAAGACATGTGTGCAGGAGATCACGGCCACCGCAAGAAGC  
 ATGAGGAGGCCATCCATGCAGTGGCCTGCCATCCCAGCAAGGCACTTATTGCCAGTGTGGTGTGATGC  
 CCTAGCCAAGGTCTTCGTA

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >MG217108 representing NM\_001039878  
Red=Cloning site Green=Tags(s)

```
MMEERAAA AVASAA SSCRPLGSGTAPNPTAAAPASSPAPGPGVPGKGGGGGGSPGPTAGPEPLSLPGILH
FIQHEWARFEAEKARWEAERAE LQAQVAF LQGERKQENLKTDLVRRIKMLEYALKQERAKYHKLKFGTD
LNQGEKKTDLSEQVSNPVE SVTLENSPLVWKEGRQLLRQYLEEVGYTDTILDMRSKRVRSL LGRSLELN
GAGEPVEGAPRASPGPGGLSGGESLLVKQIEEQIKRNAAGKDGKERLGGSVLEQIPFLQNCEDEDSDEDD
ELDSVQHKKQVRVRLPSKALVPEMEDEDEEDS EDAINEFDL GSGEDGEGSPDPRRCTSEGNPHELESRR
VKLQGILADLRDVGDLPPKVTVPPPGTQPRPHEDVFIMDTIGGGEVSLGDLADLTVTNDNDLSCDLSDS
KDAFKKTWNPKFTLRSHYDGI RSLAFHHSQSALLTASEDGT LKLWNLQKAVTAKKNAALDVEPIHAFRAH
RGPVLAVTMGNS EYCYSGGADARIHSWKIPDLNMDPYDGYDPSVL SHVLEGHGDAVWGLAFSPTSQR LA
SCSADGTVRIWDPSSSGP SCLCTFPM DGEHG IPTSVAFTSTEPAHVVASFRSGD TVLYDLEAGSALLTLE
SRGSSGPAQINQV VSHPSQPLTITAHDDRGI RFLDNRTGKSVHSMVAHLDAV TCLA VDPNGVFLMSGSHD
CSLR LWSLDNKTCVQEIT AHRKKHEEAIH AVACHPSKALIASAGADALAKVFV
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001039878

**ORF Size:** 2259 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\\_001039878.2](#), [NP\\_001034967.1](#)

**RefSeq Size:** 3541 bp

**RefSeq ORF:** 2262 bp

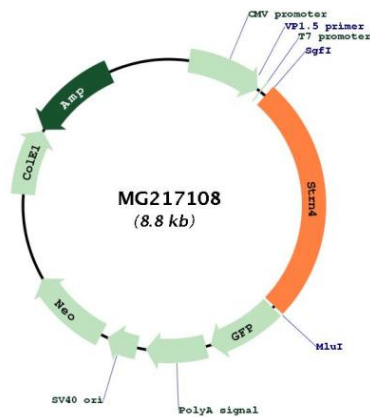
**Locus ID:** 97387

**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]

**Product images:**



Circular map for MG217108