

## Product datasheet for **MC221721**

### **Strn3 (NM\_052973) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Strn3 (NM_052973) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Strn3
Synonyms:	Gs2na; SG2NA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221721 representing NM\_052973  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGACGAGCTGGCCGGAGGCGGGCGGCCAGGGATGGCAGCCCCTCCCCGGCCGACGAGGGAC  
 CCGGGGGGAACCTGAGCCTGCCGCGGGAGCGAACGAGCGCCGGCGGGGGTCTCCGGCCGCGA  
 GGCGGGGGGCCCGGAGGCCGGAGCTGTCCGGCCGAACAGTACACGATCCCGGGATCCTACAC  
 TACATCCAGCACGAGTGGGCTCGCTTCGAGATGGAGCGGGCGCACTGGGAGGTGGAGCGGGCCGAGCTGC  
 AGGCACGGATTGCATTTTACAAGGAGAAAGGAAAGGTCAGAGAATTTGAAGAAGGATTTAGTGAGAAG  
 AATAAAGATGTTAGAGTATGCATTAACAAGAAAGGCAAGTATCACAAATTAATATGGCACAGAA  
 CTGAACCAAGGTGATTTGAAAATGCCACCTTTGAATCAGAGGAAACCAAGATGTGGAGGCTCCTCCAG  
 CACCTCAGAATAGTCAACTAACATGGAAGCAAGGCAGACAGCTATTAAGACAGTATCTTCAGGAAGTAGG  
 ATACACAGATACAATATTAGATGTACGATCTCAACGGGTAAAGTCATTACTTGGACTGTCTAATTCAGAG  
 CCAATGGATCTGTAGAAGCAAAGAATTTAGAACAGATCTTGAATGGTGGTGAATCTCCTAAGCAAAAAG  
 GACAAGAAATCAAAGGCCCCCTGGTGTGTTCTCGAGACATTCAATTTCTAGAAAATGCATGATGACAG  
 TGATGAAGAAGAAAATGACATGATTGAGGGCATCCCAGAAGGAAAAGACAACTTCGGATCCATAAGCAC  
 AAAATAGGTAATGAAGGTTTAGCTGCTGACTTAACTGATGATCCAGATACTGAGGAAGCACTGAAAGAAT  
 TCGACTTTTTAGTGACTGCAGAAGATGGTGAAGGGGCTGGTGAAGCACGGAGTTCAGGGGATGGTACAGA  
 ATGGGATAAAGATGACCTCTCCCAACTGCTGAGGTTTGGGATGTAGACCAGGGGCTAATAAGTAACTG  
 AAGGAACAGTACAAGAAGGAGCGAAAGGGGAAGAAAGGGTGAAGAGGTCAACAGGACAAACCTCTGCG  
 ACATGATAACTGATCTGGGAGATGATGAGCTGCCACATCCCTCAGGAATCATTAACTCAGTCTAGGTC  
 AGCTTCTACTAGAATGGCTGATCATGAAGGTGCAAGAGCAGAGGAAGTGAACCAATAACGTTTCCATCT  
 GGAGGAGGCAAGTCATTTATTATGGGTTCTGATGATGTTTTGTTAAGTGTACTGGCCTTGAGACCTTG  
 CAGACTTGACGGTAACAAATGATGCAGACTATAGTTATGATTTGCCTGCCAATAAAGATGCCTTTGAAA  
 GACTTGGAAACCCAAATACACACTACGTAGTCATTTTGTGGTGTGAGAGCATTAGCTTTTCATCTGTGA  
 GAGCCTGTGCTCGTTACTGCCTCTGAGGACCACACCCTGAACTTTGGAACCTGCAAAAGACAGTTCCTG  
 CCAAAAAGAGTGCCTCTTATAGATGTAGAACCTATCTACACATTTAGGGCCACATGGCCCTGCCTGTC  
 ATTAGCTATTAGTTCTAATGGAGAACAGTGTGTTAGTGGTGGCATTGATGCAACCATTAGTGGTGAAT  
 ATGCCTAGTCCTAATGTGGATCCCTATGATACATATGAGTCAAACGTTCTAGCTGGCACTTATAGTTGCTC  
 ATACAGATGCAGTCTGGGTCTTGCCTATAGTGGCATAAAAAACCAATTACTCTCTTGTGCTCAGCAGATGG  
 CACTATTAGGTTATGGAACCCACAAGAAAAGCTGCCATGTGTTTGCACCTACAATGGAGACAAGGAACAT  
 GGAATACCTACATCAGTTGATTTATAGGCTGTGATCCAGCCCATATGGTTACGCTTTTCAACACTGGTA  
 GTGCGGTAATTTATGATTTAGAACATCACAGTCATTAGTGTGCTTTCCCTCACAGGTAGATTCTGGTTT  
 ACAATCTAGTAATCACATTAACAGAGTAGTAAGTACCCTACACTTCTGTTACAATAACTGCTCATGAA  
 GACAGACACATCAAGTTTTTTGACAATAAACCGGGTAAAATGATCCATTCTATGGTAGCTCATTGGATG  
 CTGTTACAAGTTTAGCAGTAGATCCCAATGGAATCTATTTGATGTCTGGAAGCCATGACTGTTCCATTAG  
 ACTATGGAATTTGGACAGTAAGACATGTGTACAAGAAATAACAGCTCATAGGAAGAAATGGATGAGTCA  
 ATTTATGATGTTGCTTTCCATCCATCAAAGGCATATATCGCCAGTGCAGGAGCTGATGCTTTGCCAAAG  
 TATTTGTG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_052973  
**Insert Size:** 2391 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_052973.2</a> , <a href="#">NP_443205.1</a>
<b>RefSeq Size:</b>	4164 bp
<b>RefSeq ORF:</b>	2391 bp
<b>Locus ID:</b>	94186
<b>UniProt ID:</b>	<a href="#">Q9ERG2</a>
<b>Cytogenetics:</b>	12 B3
<b>Gene Summary:</b>	<p>Binds calmodulin in a calcium dependent manner. May function as scaffolding or signaling protein (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>