

## Product datasheet for **RR217170**

### Strn4 (NM\_001161809) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Strn4 (NM_001161809) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Strn4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR217170 representing NM\_001161809  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGGAGGAGCGAGCGGCCGCCGCGGTTCGCATCGGCCGCTCTGCCGCCCTCTGGGCTCGGGCACGG  
 CTCCCAACCCAACAGCCGCGGCCCCAGCCTCCAGCCCTGCTCCTGGGCCAGGCCCGGTAGGTAAAGGAGG  
 TGGCGGGGAGGAGCCCGGGCCCCACGGCGGGCCCGGAGCCCTCAGCCTGCCTGGCATCTGCACTTT  
 ATCCAACACGAGTGGGCACGCTTCAAGCCGAGAAGGCCCGCTGGGAGGCCGAGCGCGCCGAGTGCAGG  
 CTCAGGTGGCTTCTCCAGGGCGAGAGAAAGGCCAAGAGAATCTAAAGACGGACCTGGTGCGGCGGAT  
 CAAGATGCTGGAGTATGCACTGAAGCAAGAGAGGGCCAAATATCATAAACTGAAGTTTGGTACAGACCTG  
 AATCAGGGGGAGAAGAAGGCAGATCTGTCAGAACAAGTCTCCAATGGCCCTGTAGAGTCTGTCACACTGG  
 ACAACAGCCCATTTGGTGTGAAGGAGGGGCGACAGCTTCTGCGGCAGTACCTGGAAGAGGTGGGCTACAC  
 AGATACCATCCTGGACATGCGGTCCAAGCGTGTGCGTTCCCTTCTGGGCCGTTCTCTGGAACCAATGGG  
 GCTGGTGAACCTGTGAGGGGGCCCCAGGGCTTACCAGGCCCTGGGGGACTTAGCGGTGGCGAGTCTC  
 TACTGGTGAACAGATCGAGGAACAGATCAAGAGGAACGCAGCTGGCAAAGATGGCAAGGAGCGCCTGGG  
 CGGCTCGGTGCTGGAGCAGATACCCTTCTTGCAGAACTGCAGGATGAAGACAGCGATGAGGATGACGAA  
 CTGGACAGTGTGCAACATAAGAAGCAACGTGTGAGGCTCCCATCCAAGGCCCTAGTTCTGAAATGGAGG  
 ACGAGGATGAAGAAGATGACTCAGAAGATGCCATCAATGAGTTTATTCTGGGCTCAGGAGAGGACGG  
 AGAGGGGTCTCCAGACCTCGACGCTGTGCTTCAAGGGGAACCCCATGAGCTGGAAGCCGTGGGTCT  
 AAATCCAGGGAATTCTGTGACCTCCGGGATGTGGATGGGCTGCCCCAAAAGTACTGTCCCGCCTC  
 CTGGCACACCCAGCCCGGCCCTCATGAAGACGTCTTCATCATGGACACTATCGGGGGCGGGGAGGTGAG  
 CCTGGGGGACTTGGCAGATCTCACCGTACCAATGACAACGACCTCAGCTGTGATCTGTCTGACAGCAAA  
 GACGCTTTCAGAAGACATGGAACCCCAAGTTTACTCTCCGCTCACACTACGATGGCATCCGTTCCCTGG  
 CCTTCCACCACAGCCAGTCACTGCTTACTGCCTCTGAGGATGGCACACTCAAATGTGGAACCTGCA  
 GAAGGCAGTTACAGCCAAGAAAAATGCTGCACTGGATGTGGAGCCAATCCATGCTTCCGGGCTCACAGG  
 GGCCCTGTGCTGGCCGTACCATGGGCAGCAACAGCGAGTACTGTTACAGTGGTGGGGCTGATGCCAGAA  
 TCCACAGCTGGAAGATTCCTGACCTCAACATGGACCCATATGATGGTTATGACCCAAGTGTGCTGAGCTG  
 TGTCTGGAAGGCCATGGGGATGCCGTGTGGGTCTGGCCTTACGCCCCACCTCCAGCGCCTAGCATCC  
 TGCTCTGCCGATGGACCATCCGCATCTGGGATCCAGCAGCAGTGGTTCAAGCTGCCTCTGTACCTTCC  
 CCATGGCTGGAGAACACGGGATCCACCTCAGTGGCCTTACCAGCACGGAACCTGCCACGCTCGTGGC  
 CTCTTTCGTTCTGGTGATACTGTTCTTTATGACTTGAAGCTGGTGGCGCCCTGCTCACATTGGAGTCC  
 CGAGGGAGCAGTGGCCCAACACAGATCAACCAGGTGGTGAAGTACCCAAACCAGCCTCTCACCATCACTG  
 CGCAGCAGCAGAGGGCATCCGGTCTCTGGACAATCGGACAGGTAATCCGTGCATTCCATGGTGGCCCA  
 CCTGGACGCAGTCACTGCCTAGCTGTGGACCCAAATGGCGTGTCTTGTATGTCAGGAAGCCATGACTGT  
 TCTCTGCGTTTGTGGAGCCTAGACAATAAGACATGTGTGCAGGAGATCACGGCCACCGGAAGAAGCAGC  
 AAGAGGCCATCCATGCGGTGGCCTGCCATCCCAGCAAGGCACTCATTGCCAGTGTGGTGTGATGCCCT  
 AGCCAAGGTCTTCGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR217170 representing NM\_001161809  
 Red=Cloning site Green=Tags(s)

MMEERAAA AVASAASCRPLGSGTAPNPTAAPASSPAPGPGVPGKGGGGGSPGPTAGPEPLSLPGILHF  
 IQHEWARFEAEKARWEAERAELQAQVAF LQGERKGOENLKTDLVRRIMKLEYALKQERAKYHKLKFGTDL  
 NQGEKKADLSEQVSNPVE SVTLDNSPLVWKEGRQLLRQYLEEVGYTDTILDMRSKRVRSLGRSLELNG  
 AGEPVEGAPRASPGPGLSGGESLLVKQIEEQIKRNAAGKDGKERLGGSVLEQIPFLQNCEDSDDEDDE  
 LDSVQHKKQRVRLPSKALVPEMEDEDEEDSEDAINEFDLGSGEDGEGSPDPRRCASEGNPHELESRRV  
 KLQGILADLRDVG LPPKVTVPVPGTPQPRPHEDVFMIMDTIGGGEVSLGDLADLTVTNDNDLSCDLSDSK  
 DAFKKTWNPKF TLRSHYDGIRSLAFHHSQSALLTASEDGLKLWNLQKAVTAKKNAALDVEPIHAFRAHR  
 GPVLAVTMGSNSEYCYSGGADARIHSWKIPDLNMDPYDGYDPSVLSVLEGHGDVWGLAFSPTSQRLAS  
 CSADGTIRIWD PSSSGSSCLCTFPMAGEHG IPTSVAF TSTEPAHVVASFRSGDTVLYDLEAGGALLTLES  
 RGSSGPTQINQV VSHPNQPLTITAHDDRGIRFLDNRTGKSVHSMVAHLDAVTCLAVDPNGVFLMSGSHDC  
 SLRLWLDNKTCVQEIT AHRKKHEEAIHAVACHPSKALIASAGADALAKVFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001161809

**ORF Size:** 2256 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\\_001161809.1](#), [NP\\_001155281.1](#)

**RefSeq Size:** 3496 bp

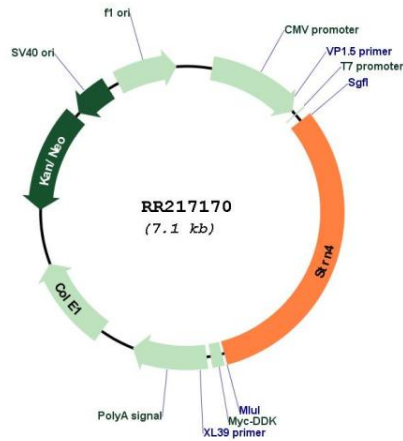
**RefSeq ORF:** 2259 bp

**Locus ID:** 308392

**Cytogenetics:** 1q21

**MW:** 80.8 kDa

**Product images:**



Circular map for RR217170