

## Product datasheet for **RR206445**

### Strn4 (NM\_001107480) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Strn4 (NM_001107480) 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:**

>RR206445 representing NM\_001107480  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGGAGGAGCGAGCGGCCCGCGGTTCGCATCGGCCCTCTGCCCTCTGGGCTCGGGCACGG  
 CTCCAAACCAACAGCCGCGGCCAGCCTCCAGCCCTGCTCCTGGGCCAGGCCCGTAGGTAAAGGAGG  
 TGGCGGGGAGGAGCCCGGCCACGCGGGCCCGGAGCCCTCAGCCTGCCTGGCATCTGCACTTT  
 ATCCAACACGAGTGGCACGCTTCAAGCCGAGAAGGCCCGCTGGGAGGCCGAGCGCCGAGTGCAGG  
 CTCAGGTGGCTTCTCCAGGGCAGAGGAAAGGCCAAGAGAATCTAAAGACGGACTGGTGCAGCGGAT  
 CAAGATGCTGGAGTATGCACTGAAGCAAGAGAGGGCCAAATATCATAAACTGAAGTTTGGTACAGACCTG  
 AATCAGGGGGAGAAGAAGGCAGATCTGTCAGAACAAGTCTCCAATGGCCCTGTAGAGTCTGTCACACTGG  
 ACAACAGCCCATTTGGTGTGAAGGAGGGCGACAGCTTCTGCGGCAGTACCTGGAAGAGGTGGGCTACAC  
 AGATACCATCCTGGACATGCGGTCCAAGCGTGTGCGTTCCCTTCTGGGCCGTTCTCTGGAACCAATGGG  
 GCTGGTGAAGCCTGTGAGGGGGCCCCAGGGCTTACCAGGCCCTGGGGGACTTAGCGGTGGCGAGTCTC  
 TACTGGTGAACAGATCGAGGAACAGATCAAGAGGAACGCAGCTGGCAAAGATGGCAAGGAGCGCCTGGG  
 CGGCTCGGTGCTGGAGCAGATACCCTTCTTGCAGAACTGCGAGGATGAAGACAGCGATGAGGATGACGAA  
 CTGGACAGTGTGCAACATAAGAAGCAACGTGTGAGGCTCCCATCCAAGGCCCTAGTTCTGAAATGGAGG  
 ACGAGGATGAAGAAGATGACTCAGAAGATGCCATCAATGAGTTTATTCTGGGCTCAGGAGAGGACGG  
 AGAGGGGTCTCCAGACCTCGACGCTGTGCTTCAAGGGGAACCCCATGAGCTGGAAGCCGTGGGTC  
 AAATCCAGGGAATTCTGTGACCTCCGGATGTGGATGGGCTGCCCCAAAAGTACTGTCCCGCCTC  
 CTGGCACACCCAGCCCGGCCATGAAGGTTCTTTGGCTTCTCCTCAGACGTTTCATCATGGACAC  
 TATCGGGGGCGGGAGGTGAGCCTGGGGGACTTGGCAGATCTACCGTCAACCAATGACAACGACCTCAGC  
 TGTGATCTGTCTGACAGCAAAGACGCTTCAAGAAGACATGGAACCCCAAGTTTACTCTCCGCTCACT  
 ACGATGGCATCCGTTCCCTGGCCTTCCACCACAGCCAGTCACTGCTTACTGCCTCTGAGGATGGCAC  
 ACTCAAATGTGGAACCTGCAGAAGGCAGTTACAGCCAAGAAAAATGCTGCACTGGATGTGGAGCCAATC  
 CATGCTTCCGGGCTCACAGGGGCCCTGTGCTGGCCGTCACCATGGGCAGCAACAGCGAGTACTGTTACA  
 GTGGTGGGCTGATGCCAGAATCCACAGCTGGAAGATTCTGACCTCAACATGGACCCATATGATGGTTA  
 TGACCAAGTGTGCTGAGCTGTGCTCCTGGAAGGCCATGGGGATGCCGTGTGGGTCTGGCCTTACGCCC  
 ACCTCCAGCGCCTAGCATCCTGCTCTGCCGATGGCACCATCCGCATCTGGGATCCAGCAGCAGTGGTT  
 CAAGCTGCCTCTGTACCTTCCCATGGCTGGAGAACACGGGATCCACCTCAGTGGCCTTACCAGCAC  
 GGAACCTGCCACGTCGTGGCCTCTTTCGTTCTGGTGATACTGTTCTTTATGACTTGAAGCTGGTGGC  
 GCCCTGCTCACATTGGAGTCCCAGGGGAGCAGTGGCCAAACAGATCAACCAGGTGGTGGTACCCCAA  
 ACCAGCCTCTACCATCACTGCGCACGACGACAGGGGCATCCGGTTCTGGACAAATCGGACAGGTAATC  
 CGTGCAATCCATGGTGGCCACCTGGACGAGTCACTGCCTAGCTGTGGACCAATGGCGTGTCTTG  
 ATGTCAGGAAGCCATGACTGTTCTGCGTTTGTGGAGCCTAGACAATAAGACATGTGTGCAGGAGATCA  
 CGGCCACCGGAAGAAGCACGAAGAGGCCATCCATGCGGTGGCTGCCATCCAGCAAGGCACTCATTGC  
 CAGTGTGGTGTGATGCCCTAGCCAAGTCTTCGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR206445 representing NM\_001107480  
 Red=Cloning site Green=Tags(s)

MMEERAAA AVASAASCRPLGSGTAPNPTAAPASSPAPGPGVPGKGGGGGSPGPTAGPEPLSLPGILHF  
 IQHEWARFEAEKARWEAERAELQAQVAF LQGERKGOENLKTDLVRRIKMLEYALKQERAKYHKLKFGTDL  
 NQGEKKADLSEQVSNPVE SVTLDNSPLVWKEGRQLLRQYLEEVGYTDTILDMRSKRVRSLGRSLELNG  
 AGEPVEGAPRASPGPGLSGGESLLVKQIEEQIKRNAAGKDGKERLGGSVLEQIPFLQNCEDSDDEDDE  
 LDSVQHKKQRVRLPSKALVPEMEDEDEEDSEDAINEFDL GSGEDGEGSPDPRRCASEGNPHELESRRV  
 KLQGI LADLRDVG LPPKVTVP PPGTPQRPHEGSFGFSSDVFIMDTIGGGEVSLGDLADLTVTNDNLS  
 CDLSKDAFKKTWNPKF TLRSHYDGIRSLAFHHSQSALLTASEDGT LKLWNLQKAVTAKKNAALDVEPI  
 HAFRAHRGPVLAVTMGSNSEYCYSGGADARIHSWKIPDLNMDPYDGYDPSVLSCVLEGHGDVWGLAFSP  
 TSQRLASCSADGTIRIWDPSSSGSSCLCTFPMAGEHGIPTSVAF TSTEPAHVVASFRSGDVTLYDLEAGG  
 ALLTLESRSGSGPTQINQVVSHPNQPLTITAHDDRGRIFLDNRTGKSVHSMVAHLDAVTCLAVDPNGVFL  
 MSGSHDCSLRLWLDNKTVCVQEIT AHRKKHEEA IHAVACHPSKALIASAGADALAKVVF

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\_001107480

**ORF Size:** 2277 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\\_001107480.2](#), [NP\\_001100950.2](#)

**RefSeq Size:** 3517 bp

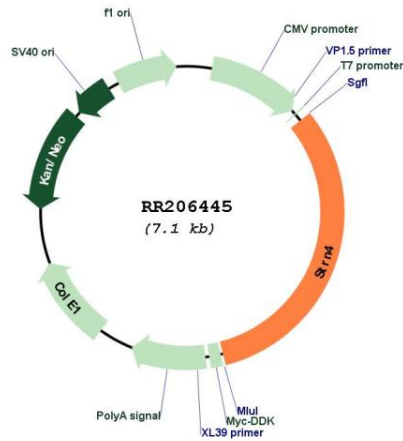
**RefSeq ORF:** 2280 bp

**Locus ID:** 308392

**Cytogenetics:** 1q21

**MW:** 81.4 kDa

**Product images:**



Circular map for RR206445