

## Product datasheet for **RR200185**

### **Stau2 (NM\_134466) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Stau2 (NM_134466) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stau2
Synonyms:	MGC93196
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR200185 representing NM\_134466  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCAAATCCCAAAGAGAAAACCTCAATGTGTCTGGTAAATGAGTTAGCCCGTTCCATAGCATCCAAC  
 CCCAGTATAAACTTCTGAATGAAAGCGGCCTGCTCATTGGAAGATGTTTTCGGTGCAGCTGAGTCTGGG  
 TGAGCAGACATGGGAATCCGAAGGGAGCAGTATAAAGAAGGCCAACAGGCTGTTGCAAATAAAGCTTTG  
 ACTGAATCTACGCTTCCCAAACCCGTTCAAGAACCCAAAAAGTAAATGTCAATAATAACCCAGGCAGTA  
 TAACTCCGACTGTGGAAGTGAATGGGCTTGCTATGAAAAGGGGAGAGCCTGCCATCTACAGGCCGTTAGA  
 CCCAAAGCCATCCCAAATTATAGAGCTAATTACAACCTCCGGGGCATGTACAACCAGAGATATCATTGC  
 CCAATGCCAAGATCTTTTATGTTCAAGTACTGTAGGAAATAATGAATCTTTGGCGAAGGGAAGACTC  
 GGCAAGCTGCCAGACACAATGCTGCGATGAAAGCTCTTCAAGCCCTACAGAATGAGCCAATCCAGAAAA  
 GTCTCCTCAGAATGGTGAATCAGGAAAAGAAATGGATGACGATAAAGATGCAAATAAATCTGAAATAAGC  
 TTAGTGTTTTGAAATTGCGCTGAAGAGAAATATGCCCGTCAGTTTTGAGGTTATTAAGAAAAGTGGACCAC  
 CACATATGAAGAGTTTTGTTACCCGGGTGTCAGTGGGAGAATTTCTGCAGAAGGAGAGGAAAATAGCAA  
 AAAGCTCTCCAAGAAGCGTGCAGCAACCACGGTCTTACAGGAGCTTAAGAAAACCCACCTCTTCTGTG  
 ATAGAAAAGCCAAAACCTATTTTTTAAAAACGCCCTAAAAACAATAATAAAGGCTGGACCCGAGTATGGTC  
 AAGGAATGAACCCATTAGCCGCTGGCTCAAATCCAGCAGGCCAGAAAGGAAAAGGAGCCTGATTACGT  
 TTTACTTTCAGAACGTGGAATGCCTCGCCGTCGAGAGTTGTAATGCAGGTCAAGGTAGGCAATGAAGTT  
 GCGACTGGAACAGGACCTAATAAAAAGATAGCCAAGAAAAATGCTGCAGAAGCTATGCTGTTACAGCTCG  
 GCTATAAAGCGTCCACTAGTCTTCAGGATCAGCTCGACAAGACCCGGGAAAAACAAGGATGGAGTGGTCC  
 AAAGCCTGGATTTCCGGAACCGCAATAACACTCCAAAAGGAATCTTTCATCTTTCTCCTGATGTTTTAT  
 CAAGAGATGGAAGCCAGCCGCCACAGAGTGACCTCTGGCACAACCTTAGGCTACTTATCACCCAAAGATA  
 TGAACCAACCTTCAAGCTCCTTCTCAGTGTAGAGTCTCCCTCACCGACTAGTTCAGCCCCAGCTGCCAG  
 GGAACCTCTAATGAATGGAACATCTCCTGCTGCTGAAGCCATAGGTTTAAAAGGAAGTTCTCCTACTCCC  
 CCTTGTCTTTCAGTACAGCCTTCAAACAACCTGGAATATTTAGCAAGGATTAAGGCTTTTCAGGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200185 representing NM\_134466  
 Red=Cloning site Green=Tags(s)

MANPKEKTPMCLVNELARFHSIQPYKLLNESGPAHSMKFSVQLSLGEQTWESESSIKKAQQAVANKAL  
 TESTLPKPVQKPPKSNVNNNPGSITPTVELNGLAMKRGEPAIYRPLDPKPFPNYRANYNFRGMYNQRYHC  
 PMPKIFYVQLTVGNNEFFGEGKTRQAARHNAAMKALQALQNEPIPEKSPQNGESGKEMDDDKDANKSEIS  
 LVFEIALKRNMPVSFEVIKESGPPHMKSFVTRVSVGEFSAELEGNSKLSKKRAATTVLQELKKLPPLPV  
 IEKPKLFFKKRPKTIKAGPEYQGMNPI SRLAQIQQARKEKEPDYVLLSERGMPPRRREFVMQVKVNEV  
 ATGTGPNKKIAKKNAAEAMLLQLGYKASTSLQDQLDKTGENKGWSGPKPGFPEPANNTPKGILHLSPDVY  
 QEMEASRHRVTSGTTLYLSPKDMNQSSSFFSVESPSPTSSAPAARELLMNGTSPAEEAIGLKGSSPTP  
 PCSSVQPSKQLEYLARIQGFQV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_134466

**ORF Size:** 1536 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\\_134466.2](#), [NP\\_604461.2](#)

**RefSeq Size:** 2912 bp

**RefSeq ORF:** 1539 bp

**Locus ID:** 171500

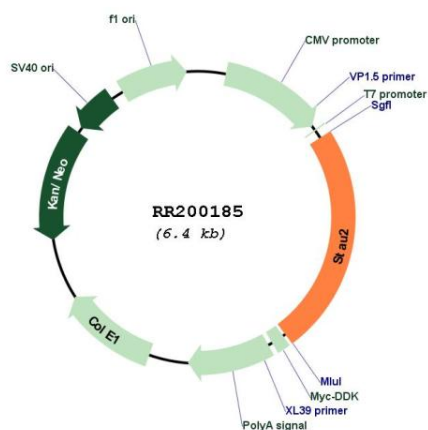
**UniProt ID:** [Q68SB1](#)

**Cytogenetics:** 5q11

**MW:** 56.4 kDa

**Gene Summary:** binds RNA; plays a role in targeting mRNA to neuronal dendrites [RGD, Feb 2006]

**Product images:**



Circular map for RR200185