

## Product datasheet for **RR200183**

### **Stau2 (NM\_001007149) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Stau2 (NM_001007149) 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)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR200183 representing NM\_001007149  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAAATCCCAAAGAGAAAACCTCAATGTGTCTGGTAAATGAGTTAGCCCGTTCCATAGCATCCAAC  
 CCCAGTATAAACTTCTGAATGAAAGCGGCCTGCTCATTGGAAGATGTTTTCGGTGCAGCTGAGTCTGGG  
 TGAGCAGACATGGGAATCCGAAGGGAGCAGTATAAAGAAGGCCAACAGGCTGTTGCAAATAAAGCTTTG  
 ACTGAATCTACGCTTCCCAAACCCGTTCAAGAACCCAAAAAGTAAATGTCAATAATAACCCAGGCAGTA  
 TAACTCCGACTGTGGAAGTGAATGGGCTTGTATGAAAAGGGGAGAGCCTGCCATCTACAGGCCGTTAGA  
 CCCAAAGCCATCCCAAATTATAGAGCTAATTACAACCTCCGGGGCATGTACAACCAGAGATATCATTGC  
 CCAATGCCAAGATCTTTTATGTTCAAGTACTGTAGGAAATAATGAATCTTTGGCGAAGGGAAGACTC  
 GGCAAGCTGCCAGACACAATGCTGCGATGAAAGCTCTCAAGCCCTACAGAATGAGCCAATCCAGAAAA  
 GTCTCCTCAGAATGGTGAATCAGGAAAAGAAATGGATGACGATAAAGATGCCAATAAATCTGAAATAAGC  
 TTAGTGTTTTGAAATTGCGCTGAAGAGAAATATGCCCGTCAGTTTTGAGGTTATTAAGAAAAGTGGACCAC  
 CACATATGAAGAGTTTTGTTACCCGGGTGTCTGTGGGAGAATTTCTGCCGAAGGAGAGGAAAATAGCAA  
 AAAGCTCTCCAAGAAACGTGCAGCAACCACGGTCTTACAGGAGCTTAAGAAAACCTCCACCTCTTCTGTG  
 ATAGAAAAGCCAAAACCTATTTTTTAAAAACGCCCTAAAAACAATAAAGGCTGGACCCGAGTATGGTC  
 AAGGAATGAACCTATTAGCCGCTGGCTCAAATCCAGCAGGCCAGAAAGGAAAAGGAGCCTGATTACGT  
 TTTACTTTCAGAACGTGGAATGCCTCGCCGTCGAAAGTTGTAATGCAGGTCAAGGTAGGCAATGAAGTT  
 GCGACTGGAACAGGACCTAATAAAAAGATAGCCAAGAAAATGCTGCAGAAGCTATGCTGTTACAGCTCG  
 GCTATAAAGCGTCCACTAGTCTTCAGGATCAGCTCGACAAGACCCGGGAAAACAAAGGATGGAGTGGTCC  
 AAAGCCTGGATTTCGGGAACCAGCGAATAACACTCCAAAAGGAATCTTTCATCTTTCTCCTGATGTTTAT  
 CAAGAGATGGAAGCCAGCCGCCACAGAGTGACCTCTGGCACAACCTTAGGCTACTTATCACCCAAAAGATA  
 TGAACCAACCTTCAAGCTCCTTCTTCAAGTGTAGAGTCTCCCTCACCGACTAGTTCAGCCCCAGCTGCCAG  
 GGAACCTCTAATGAATGGAACATCTCCTGCTGCTGAAGCCATAGGTTTAAAAGGAAGTTCTCCTACTCCC  
 CCTTGTCTTTCAGTACAGCCTTCAAACAACCTGGAATATTTAGCAAGGATTCAAGGCTTTCAGGCAGCCT  
 TAAGTGCCTTGAACAGTTTTCTGAACAAGGACTGGAATCAATTGATGGGGTGGTGAATGTTGAAAACGG  
 CTTTCTTGAAAAACAAGCAAGCATCTGCGGGAGAAAGCGGACAATAACCAGGCAAAACCCAGGCTCCATC  
 ACTCAGGACTGCAAGAAATCAAAGTCGGTCATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200183 representing NM\_001007149  
 Red=Cloning site Green=Tags(s)

MANPKEKTPMCLVNELARFHSIQPQYKLLNESGPAHSMFVSVQLSLGEQTWESESSIKKAQQAVANKAL  
 TESTLPKPVQKPPKSNVNNPISITPTVELNGLAMKRGEPAIYRPLDPKPFNYRANYNFRGMYNQRYHC  
 PMPKIFYVQLTVGNNEFFGEGKTRQARHNAAMKALQALQNEPIPEKSPQNGESGKEMDDDKDANKSEIS  
 LVFEIALKRNMPVSFEVIKESGPPHMKSFVTRVSVGEFSAELEGNSKKLSKKRAATTVLQELKKLPLPV  
 IEKPKLFFKKRPKTIKAGPEYQGMPNISRLAQIQARKEKEPDYVLLSERGMPPRRKFVMQVKVNEV  
 ATGTGPNKIIAKKNAAEAMLLQLGYKASTSLQDQLDKTGENKGSWSPKPGFPEPANNTPKGILHLSPDVY  
 QEMEASRHRVTSGTTLYLSPKDMNQSSFFSVESPSPTSSAPAARELLMNGTSPAEEAIGLKGSSPTP  
 PCSSVQPSKQLEYLARIQGFQAALSALKQFSEQGLESIDGVVNVENGFLKQAKHLREKADNNQANPGSI  
 TQDCKKSKSVI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001007149

**ORF Size:** 1713 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\\_001007149.1](#), [NP\\_001007150.1](#)

**RefSeq Size:** 2481 bp

**RefSeq ORF:** 1716 bp

**Locus ID:** 171500

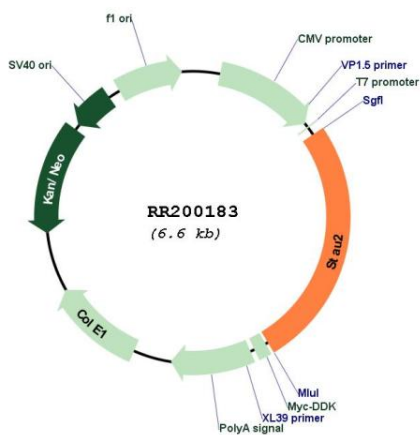
**UniProt ID:** [Q68SB1](#)

**Cytogenetics:** 5q11

**MW:** 62.7 kDa

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

**Product images:**



Circular map for RR200183