

## Product datasheet for **RR200249**

### **Stau1 (NM\_053436) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Stau1 (NM_053436) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stau1
Synonyms:	Stau
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR200249 representing NM\_053436  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTATAAGCCGTGACCCCCACTCTCGGATGCAGTCCACCTACAGCTATGGCATGCGTGGAGGTGCCT  
 ATCCCCCAGATACTTTTACCCATTTCCAGTTCACCGTTACTCTACCAAGTTGAGCTCTCCGTGGGAGG  
 ACAGCAGTTTAAATGGGAAGGAAAAGATGAGACCCTGTGAAACATGATGCCACTGCCGAGCCCTGAGG  
 ACTCTGCAGAGTGAGCCCTACCAGAGAGGCTAGAGGTAATGGAAGAGAATCAGAAGAAGAAAACCTTA  
 AATAATCAGAAAATAGCCAAGTGTGAGATTGCGCTGAAGCGGAATTTGCCTGTGAATTTTGTAGTCTTT  
 CCCTCTGACACAGGTGGCCCGGAGAGTGGCCCGCACACATGAAGAATTTGTGACCAGGGTTTCAGTT  
 GGGGAGTTGTAGGGGAAGGAGAAGGAAAAGCAAGAAGATCTCCAAGAAGAATGCGGCAAGGGCCGTGC  
 TGGAGCAGCTAAGGAGGCTGCCACCTCTACCTGTGTGGAGCGAGTGAAGCCAGAATCAAGAAGAAAAG  
 TCAGCCCACCTGCAAGCTACAGACTGCCCCGACTATGGCCAAGGGATGAATCCTATTAGCAGACTGGCA  
 CAGATCCAGCAGGCAAAAAGGAGAAGGAGCCGGAGTACATGCTCCTTACAGAACGAGGTCTTCCAGCTC  
 GCAGGGAGTTTGTGATGCAGGTGAAGTTGGGCATCACACCGCAGAAGGAGCAGGTACCAATAAGAAGGT  
 GGCCAAGCGCAATGCTGCTGAGAACATGCTGGAGATCCTGGGTTCAAAGTCCCCAGGCGCAGCCTGCC  
 AAGCCAGCACTCAATCAGAAGAGAAGACTCCAGTAAAGAAAACAGGAGATGGAAGGAAAGTAACATTTT  
 TTGAACCTAGCCCTGGGGATGAAAATGGAACAGTAATAAAGAGGATGAGTTCAGGATGCCCTATCTTAG  
 CCATCAGCAGCTGCCAGCCGGATCCTCCCATGGTGCCAGAGGTTGCCAGGCTGTGCGGGTTAGTCAA  
 GGACACCATAACCAAGATTTCCGACAGGCGAGCTCCAAATCCTGCCAAGGCCACGGTAACCTCTCTCAGG  
 CCCGAGAATTGTGTACGGGGCACCTCGCCACAGCCGAGACCAATTTTAAAGAGTAACATCTCTCTCAGG  
 ACATGTACCCCATGGACCTCGCACAAAGACCTCTGAGCAACTGTACTACCTTTCCAGAGCCAGGGATT  
 CAGGTTGAATACAAGACTTCCCAAGAACAACAAGAACGAGTGTGTATCTCTCACTCAACTGCTCTTCCAC  
 AGCCACCTCTCGTCAGCCATGGCATCGCAAGGATGTGGAGTCTGTGATGATATGGCTGCACTGAACAT  
 CTTAAAGTGTCTGTGAGTTGGACCAACAGAGCACAGAGATGCCAAGGACAGGAAACGGACCAGTTTCA  
 GCGTGGGGAGGTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200249 representing NM\_053436  
 Red=Cloning site Green=Tags(s)

MYKPVDPHSRMQSTYSYGMRRGAYPPRYFYPFPVPLLYQVELSVGGQQFNGKGMRPPVKHDATARALR  
 TLQSEPLPERLEVNGRESEENLNKSEISQVFEIALKRNLVNFESFPLTQVARESGPPHMKNFVTRVSV  
 GEFVGELEGKSKKISKNAARAVLEQLRRLPPLPAVERVKPRIKKSQPTCKLQTAPDYQGMPNISR  
 LAQIQQAKKEKEPEYMLLTERGLPRRREFVMQVKVGHHTAEGAGTNKKVAKRNAENMLEILGFKVPQAQPA  
 KPALKSEEKTPVKKPGDGRKVTFFEPSPDENGTSNKEDEFMPYLSHQQLPAGILPMVPEVAQAVGVSQ  
 GHHTKDFARAAPNPAKATVTAMIARELLYGGTSPTAETILKSNISSGHVPHGPRTRPSEQLYYLSRAQGF  
 QVEYKDFPKNNKNECVSLINCSQPPLVSHGIGKDVESCHDMAALNLIKLLSELDDQSTEMPRTGNGPVS  
 ACGRC

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

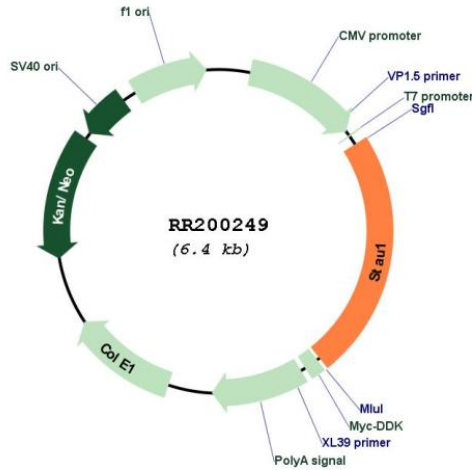
Cloning Scheme:

Cloning sites used for ORF Shutting:



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

Plasmid Map:



ACCN: NM\_053436

ORF Size: 1485 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\\_053436.2](#), [NP\\_445888.1](#)

**RefSeq Size:** 3073 bp

**RefSeq ORF:** 1488 bp

**Locus ID:** 84496

**Cytogenetics:** 3q42

**MW:** 54.8 kDa

**Gene Summary:** accumulates along microtubules in the dendrites linking RNAs to the dendritic microtubular cytoskeleton [RGD, Feb 2006]