

## Product datasheet for **RN200250**

### **Stau1 (NM\_001109907) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Stau1 (NM_001109907) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Stau1
Synonyms:	Stau
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN200250 representing NM\_001109907  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTATAAGCCGTGGACCCCACTCTCGGATGCAGTCCACCTACAGCTATGGCATGCGTGGAGGTGCCT  
 ATCCCCCAGATACTTTTACCCATTTCCAGTTCACCGTTACTCTACCAAGTTGAGCTCTCCGTGGGAGG  
 ACAGCAGTTTAAATGGGAAGGAAAAGATGAGACCCTGTGAAACATGATGCCACTGCCGAGCCCTGAGG  
 ACTCTGCAGAGTGAGCCCTACCAGAGAGGCTAGAGGTAATGGAAGAGAATCAGAAGAAGAAAACCTTA  
 AATAATCAGAAAAGCCAAGTGTGAGATTGCGCTGAAGCGGAATTTGCCTGTGAATTTTGGAGTGGC  
 CCGGGAGAGTGGCCGCCACACATGAAGAACTTTGTGACCAGGTTTCAGTTGGGGAGTTTGTAGGGGAA  
 GGAGAAGGAAAAGCAAGAAGATCTCCAAGAAGATGCGGCAAGGGCCGTGCTGGAGCAGCTAAGGAGGC  
 TGCCACCTCTACCTGCTGTGGAGCGAGTGAAGCCAGAATCAAGAAGAAAAGTCAGCCACCTGCAAGCT  
 ACAGACTGCCCCGACTATGGCCAAGGGATGAATCCTATTAGCAGACTGGCACAGATCCAGCAGGCAAAA  
 AAGGAGAAGGAGCCGGAGTACATGCTCCTTACAGAACGAGGTCTCCACGTCGCAGGGAGTTTGTGATGC  
 AGGTGAAGGTTGGGCATCACACCGAGAAGGAGCAGGTACCAATAAGAAGGTGGCCAAGCGCAATGCTGC  
 TGAGAACATGCTGGAGATCCTGGGGTTCAAAGTCCCCAGGCGCAGCCTGCCAAGCCAGCACTCAAATCA  
 GAAGAGAAGACTCCAGTAAAGAAACCAGGAGATGGAAGGAAAAGTAACATTTTTTGAACCTAGCCCTGGGG  
 ATGAAAATGGAACCAGTAATAAAGAGGATGAGTTCAGGATGCCCTATCTTAGCCATCAGCAGCTGCCAGC  
 CGGGATCCTCCCATGGTGCCAGAGTTGCCAGGCTGTGGGGTTAGTCAAGGACACCATACAAAAGAT  
 TTCGCCAGGGCAGCTCCAAATCCTGCCAAGGCCACGGTAACTGCCATGATAGCCCGAGAATTGTTGTACG  
 GGGCACCTCGCCACAGCCGAGACCAATTTAAAGAGTAACATCTCTTCAGGACATGTACCCATGGACC  
 TCGCACAAAGACCTCTGAGCAACTGTACTACCTTTCCAGAGCCAGGGATTCCAGGTTGAATACAAAGAC  
 TTCCCAAGAACAACAAGACGAGTGTGTATCTCTCATCAACTGCTCTTACAGCCACCTCTCGTCAGCC  
 ATGGCATCGGCAAGGATGTGGAGTCTGTATGATATGGCTGCACTGAACATCTTAAAGCTGCTGTCTGA  
 GTTGGACCAACAGAGCACAGAGATGCCAAGGACAGGAAACGGACCAGTTTCAGCGTGCGGGAGGTGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001109907
- Insert Size:** 1470 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_001109907.1](#), [NP\\_001103377.1](#)

**RefSeq Size:** 3055 bp

**RefSeq ORF:** 1470 bp

**Locus ID:** 84496

**Cytogenetics:** 3q42

**Gene Summary:** accumulates along microtubules in the dendrites linking RNAs to the dendritic microtubular cytoskeleton [RGD, Feb 2006]  
Transcript Variant: This variant (2) uses an alternate splice site in the coding region, compared to variant 1, resulting in a shorter protein (isoform 2).