

## Product datasheet for **MC219181**

### **Stau2 (NM\_025303) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Stau2 (NM_025303) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stau2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219181 representing NM\_025303  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAAACCCCAAAGAGAAAACCCAGTGTGTCTGGTAAATGAGTTAGCCCGTTCCATAGCATCCAAC  
 CCCAGTATAAGCTTCTGAATGAAAGCGGCCTGCTCATTGGAAGATGTTTTCGGTGCAGCTGAGTCTTGG  
 CGAGCAGACATGGGAATCCGAAGGGAGCAGTATAAAGAAGGCCCAACAAGCTGTTGCTAACAAAGCTTTG  
 ACTGAATCTACGCTTCCCAAACAGTTCAGAAACCACTAAAAGTAAATGTCAATAATAACCCAGGTAGTA  
 TAACTCCAAGTGTGGAAGTGAATGGGCTCGCTATGAAAAGGGGAGAGCCTGCCATCTACAGGCCACTAGA  
 TCCAAAGCCATTCCAAATTATAGAGCTAACTACAACCTCCGGGGCATGTACAATCAGAGGTATCATTGC  
 CCAATGCCAAGATCTTTTATGTTCAAGTAACTGTAGGAAATAATGAATCTTTGGTGAAGGGAAGACTC  
 GACAAGCTGCCAGACACAATGCTGCGATGAAAGCGCTTCAAGCCCTACAGAATGAGCCAATCCAGAAAA  
 GTCTCCCAGAATGGTGAATCAGGAAAAGAAATGGATGACGATAAAGATGCAAATAAATCTGAAATAAGC  
 TTAGTGTTTTGAGATTGCGCTGAAGAGAAATATGCCTGTCAGTTTTGAGGTTATTAAGAAAGTGGACCAC  
 CACATATGAAGAGTTTTGTAACCTCGGGTGTCAAGTGGGAGAATTTCTGCAGAAGGAGAGGAAATAGCAA  
 AAAACTCTCCAAGAAGCGTGCCGCAACCACTGTCTTACAGGAGCTTAAAAAACTCCACCTCTTCTGTG  
 GTAGAGAAGCCAAAACCTATTTTTTAAAAACGCCCTAAAAACAATAGTAAAGGCTGGACCCGACTATGGTC  
 AAGGAATGAACCCATTAGCCGCTGGCTCAGATCCAGCAAGCCAGAAAGGAAAAGGAGCCTGATTACAT  
 CCTACTCTCAGAACGAGGAATGCCTCGCCGTCGAGAGTTCGTAATGCAGGTCAAGGTAGGCAATGAAGTT  
 GCGACTGGAACAGGACCAATAAAAAGATAGCCAAAAAAATGCTGCTGAAGCAATGCTGTTACAGCTTG  
 GCTATAAAGCGTCCACCAGTCTTCAGGATCCGCTCGACAAGACAGGTGAAAACAAAGGATGGAGTGGTCC  
 AAAGCCTGGGTTTTCTGAACCAACAAATAACACTCCAAAAGGAATCTTCATCTTTCTCCTGATGTTTAT  
 CAAGAGATGGAAGCTAGCCGCCACAGAGTGACCTCTGGCACAACCTAAGCTACTTATCTCCCAAAGATA  
 TGAACCAACCTTCAAGCTCTTTCTTCAAGTGTGTCTCCCTCATCAACTAGTTCAGCCACAGTTGCCAGGGA  
 ACTCCTTATGAATGGAACATCTCCTACTGCTGAAGCCATAGGTTTAAAAGGAAGTTCTCCTACTTCCCT  
 TGTTCTTCAAGTACAGCCTTCAAACAACCTGGAATATTTAGCAAGGATTCAAGGCTTTCAGGCAGCCTTAA  
 GTGCCCTGAAACAGTTTTCTGAACAAGGACTGGAATCAATTGATGGGCGAGTGAATGTTGAAAAGGGTTC  
 TCTTGA AAAACAAGCCAAGCATCTCGGGAGAAAGCAGACAATAACCAGGCGAAGCCGGCCTCCATCTCT  
 CAGGACTGCAAGAAATCAAAGTCGGCCAT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_025303
- Insert Size:** 1713 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\\_025303.3](#), [NP\\_079579.2](#)

**RefSeq Size:** 2890 bp

**RefSeq ORF:** 1713 bp

**Locus ID:** 29819

**UniProt ID:** [Q8CJ67](#)

**Cytogenetics:** 1 A3

**Gene Summary:** RNA-binding protein required for the microtubule-dependent transport of neuronal RNA from the cell body to the dendrite. As protein synthesis occurs within the dendrite, the localization of specific mRNAs to dendrites may be a prerequisite for neurite outgrowth and plasticity at sites distant from the cell body (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) has multiple differences in the presence and absence of exons, compared to variant 1. These differences produce a unique 5' UTR and cause translation initiation at a downstream start codon, compared to variant 1. The encoded protein (isoform 3) is shorter than isoform 1.