

## Product datasheet for **MC218294**

### **Stau2 (NM\_001111272) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Stau2 (NM_001111272) 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:** >MC218294 representing NM\_001111272  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTTCAGATAAATCAGATGTTTTCGGTGCAGCTGAGTCTTGGCGAGCAGACATGGGAATCCGAAGGGA  
 GCAGTATAAAGAAGGCCCAACAAGCTGTTGCTAACAAAGCTTTGACTGAATCTACGTTCCCAAACCACT  
 TCAGAAAACCCTAAAAGTAATGTCAATAATAACCCAGGTAGTATAACTCCAACCTGTGGAACCTGAATGGG  
 CTCGCTATGAAAAGGGGAGAGCCTGCCATCTACAGGCCACTAGATCCAAAGCCATTCCCAAATTATAGAG  
 CTAACAACAATTCCGGGCATGTACAATCAGAGGTATCATTGCCCAATGCCAAGATCTTTTATGTTCA  
 GTTAACCTGTAGGAAATAATGAATCTTTGGTGAAGGGAAGACTCGACAAGCTGCCAGACACAATGCTGCG  
 ATGAAAGCGCTTCAAGCCCTACAGAATGAGCAATCCAGAAAAGTCTCCCAGAATGGTGAATCAGGAA  
 AAGAAATGGATGACGATAAAGATGCAAAATAATCTGAAAATAAGCTTAGTGTGGAGATTGCGCTGAAGAG  
 AAATATGCCTGTCAGTTTTGAGGTTATTAAGAAAAGTGGACCACCACATATGAAGAGTTTTGTAACCTCGG  
 GTGTCAGTGGGAGAATTTCTGCGAGAAGGAGAGGAAATAGCAAAAACTCTCCAAGAAGCGTGCCGCAA  
 CCACTGTCTTACAGGAGCTTAAAAAATCCCACCTCTTCTGTGGTAGAGAAGCCAAAACTATTTTTTAA  
 AAAACGCCCTAAAAAATAGTAAAGGCTGGACCCGACTATGGTCAAGGAATGAACCCATTAGCCGCTG  
 GCTCAGATCCAGCAAGCCAGAAAGGAAAAGGAGCCTGATTACATCTACTCTCAGAACGAGGAATGCCTC  
 GCCGTCGAGAGTTCGTAATGCAGGTCAAGGTAGGCAATGAAGTTGCGACTGGAACAGGACCCAATAAAAA  
 GATAGCCAAAAAATGCTGTGAAGCAATGCTGTTACAGCTTGCTATAAAGCGTCCACCAGTCTTCAG  
 GATCCGCTCGACAAGACAGGTGAAAACAAGGATGGAGTGGTCCAAGCCTGGGTTTCTGAAACCAACA  
 ATAACACTCCAAAAGGAATTCTTCATCTTCTCCTGATGTTTATCAAGAGATGGAAGCTAGCCGCCACAG  
 AGTGACCTCTGGCACAACCTCTAAGCTACTTATCTCCCAAAGATATGAACCAACCTTCAAGCTCTTTCTTC  
 AGTGTGTCTCCCTCATCAACTAGTTCAGCCACAGTTGCCAGGAACTCCTTATGAATGGAACATCTCCTA  
 CTGCTGAAGCCATAGGTTTAAAAGGAAGTTCTCCTACTTCCCCTGTTCTTCAGTACAGCCTTAAAAACA  
 ACTGGAATATTTAGCAAGGATTCAAGGCTTTCAGGCAGCCTTAAGTGCCTTGAACAGTTTTCTGAACAA  
 GGACTGGAATCAATTGATGGGCGAGTGAATGTTGAAAAGGTTCTCTGAAAAACAAGCCAAGCATCTGCG  
 GGGAGAAAGCAGACAATAACCAGGCGAAGCCGCTCCATCTCTCAGGACTGCAAGAAATCAAAGTCGGC  
 CAT**CTAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001111272

**Insert Size:** 1617 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\\_001111272.1](#), [NP\\_001104742.1](#)

**RefSeq Size:** 2759 bp

**RefSeq ORF:** 1617 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 (2) lacks an alternate segment in the 5' end, compared to variant 1. This difference causes translation initiation at an upstream AUG and a protein (isoform 2) with a shorter and distinct N-terminus compared to isoform 1.