

Product datasheet for **MC227942**

Stau1 (NM_001291160) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stau1 (NM_001291160) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stau1
Synonyms:	5830401L18Rik; AW549911; C85792; Stau
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC227942 representing NM_001291160
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATAAGCCGTGGACCCCTACTCTCGGATGCAGTCCACCTACAGCTATGGCATGCGTGGAGGTGCCT
 ATCCCCCAGATACTTTTACCCATTTCCAGTCCCACCTTTACTCTACCAAGTTGAGCTCTCCGTGGGCGG
 ACAGCAGTTTAATGGGAAAGGAAAGATGAGACCACCCGTGAAACACGATGCCCTGCCCGTGCCTGAGG
 ACTCTGCAGAGTGAACCCCTGCCAGAAAGGTTGGAGGTAATGGAAGAGAAGCAGAGGAAGAAAACCTCA
 ATAAATCGGAAATAAGCCAAGTGTTTGAAATTGCGCTGAAGCGGAATTTGCCTGTGAATTTTGGAGTGGC
 CCGGGAGAGTGGCCACCACACATGAAGAACTTTGTGACCAGGTTTCAGTTGGGGAATTTGTAGGGGAA
 GGAGAAGGAAAAGCAAGAAGATCTCCAAGAAGAAATGCGGCCAGGGCTTCTGGAGCAGCTTAGGAGGC
 TGCCACCCCTCCCTGCTGTGGAGCGAGTGAAGCCAGAATCAAGAAGAAAAGTCAGCCACCTGCAAGCT
 ACAGACAGCCCCGATTATGGCCAAGGGATGAATCCTATTAGTAGACTTGCACAGATCCAGCAGGCAAAA
 AAGGAGAAGGAGCCAGAGTACATGCTCCTTACAGAACGAGGTCTCCACGTGCGCAGGAGTTTGTGATGC
 AGGTAAAGGTTGGGCATCACACTGCAGAAGGAGTGGGTACCAATAAGAAGGTGGCCAAGCGTAATGCTGC
 TGAGAACATGCTGGAGATCCTGGGGTTCAAAGTTCAGGCGCAGCCTGCCAAGCCAGCACTCAAATCA
 GAAGAGAAGACTCCAGTAAAGAAACCAGGAGACGGAAGGAAAAGTAACGTTTTTTGAACCTAGCCCTGGGG
 ATGAAAATGGAAGTAGTAAACAAGGACGAGGAGTTCAGGATGCCTTATCTTAGCCATCAGCAGCTGCCAGC
 TGAATTTCTCCCATGGTGCCGGAAGTTGCCAGGCTGTCGGGTTAGTCAAGGACACACCAAAAGAT
 TTCACCAGGGCAGCTCCAAATCCTGCCAAGGCAACGGTAACTGCCATGATAGCCGAGAGTTGTTGTACG
 GGGCACCTCGCCACAGCCGAGACCATTTAAAGAGTAACATCTTTCCAGGCCAGTACCCCATGGACC
 TCGCACTAGACCCTCTGAGCAACTGTACTACCTTTCCAGAGCCAGGGATTCCAGGTTGAATACAAAGAT
 TTTCCCAAGAACAACAAGACGAGTGTGTATCTCTCATCAACTGCTCCTCACAGCCGCTCTCGTAGTC
 ATGGCATCGGCAAGGATGTGGAGTCTGTATGATATGGCTGCACTGAACATTTTAAAGCTGCTGTCTGA
 GTTGGACCAACAGAGCACAGAGATGCCAAGAACAGGAAATGGACCAGTTTCAGCG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001291160
- Insert Size:** 1458 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001291160.1](#), [NP_001278089.1](#)

RefSeq Size: 3651 bp

RefSeq ORF: 1458 bp

Locus ID: 20853

Cytogenetics: 2 H3

Gene Summary: Binds double-stranded RNA (regardless of the sequence) and tubulin. May play a role in specific positioning of mRNAs at given sites in the cell by cross-linking cytoskeletal and RNA components, and in stimulating their translation at the site.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (4) uses an alternate in-frame splice site in the 5' coding region, and contains an alternate exon that results in a shorter 3' coding region and an additional segment in the 3' UTR, compared to variant 1. The encoded isoform (4) is shorter at the C-terminus, compared to isoform 1.