

Product datasheet for **RR200250**

Stau1 (NM_001109907) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stau1 (NM_001109907) 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:

>RR200250 representing NM_001109907
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTATAAGCCGTGGACCCCACTCTCGGATGCAGTCCACCTACAGCTATGGCATGCGTGGAGGTGCCT
 ATCCCCCAGATACTTTTACCCATTTCCAGTCCACCCTTACTCTACCAAGTTGAGCTCTCCGTGGGAGG
 ACAGCAGTTTAAATGGGAAGGAAAGATGAGACCCTGTGAAACATGATGCCACTGCCGAGCCCTGAGG
 ACTCTGCAGAGTGAGCCCTACCAGAGAGGCTAGAGGTAATGGAAGAGAATCAGAAGAAGAAAACCTTA
 AATAATCAGAAAAGCCAAGTGTGAGATTGCGCTGAAGCGGAATTTGCCTGTGAATTTGAGGTGGC
 CCGGGAGAGTGGCCGCCACACATGAAGAACTTTGTGACCAGGTTTCAGTTGGGGAGTTGTAGGGGAA
 GGAGAAGGAAAAGCAAGAAGATCTCCAAGAAGATGCGCAAGGGCCGTCTGGAGCAGCTAAGGAGGC
 TGCCACCTCTACCTGCTGTGGAGCGAGTGAAGCCAGAATCAAGAAGAAAAGTCAGCCACCTGCAAGCT
 ACAGACTGCCCCGACTATGGCCAAGGGATGAATCCTATTAGCAGACTGGCACAGATCCAGCAGGCAAAA
 AAGGAGAAGGAGCCGAGTACATGCTCCTTACAGAACGAGGTCTCCACGTGCGCAGGGAGTTTGTGATGC
 AGGTGAAGGTTGGGCATCACACCGAGAAGGAGCAGGTACCAATAAGAAGGTGGCCAAGCGCAATGCTGC
 TGAGAACATGCTGGAGATCCTGGGGTCAAAGTCCCCAGGCGCAGCCTGCCAAGCCAGCACTCAAATCA
 GAAGAGAAGACTCCAGTAAAGAAACCAGGAGATGGAAGGAAAAGTAACATTTTTTGAACCTAGCCCTGGG
 ATGAAAATGGAACCAGTAATAAAGAGGATGAGTTCAGGATGCCCTATCTTAGCCATCAGCAGCTGCCAGC
 CGGGATCCTCCCATGGTCCAGAGGTTGCCAGGCTGTGGGGTTAGTCAAGGACACCATAACAAAGAT
 TTCGCCAGGCGAGCTCAAATCCTGCCAAGGCCACGGTAACTGCCATGATAGCCGAGAATTGTTGTACG
 GGGCACCTCGCCACAGCCGAGACCATTTTAAAGAGTAACATCTCTTCAGGACATGTACCCATGGACC
 TCGCACAAAGACCCTCTGAGCAACTGTACTACCTTCCAGAGCCAGGGATTCCAGGTTGAATACAAAGAC
 TCCCCAAGAACAACAAGAACGAGTGTGTATCTCTCATCAACTGCTCTTCACAGCCACCTCTCGTCAGCC
 ATGGCATCGGCAAGGATGTGGAGTCTGTGATGATATGGCTGCACTGAACATCTTAAAGCTGCTGTCTGA
 GTTGGACCAACAGAGCACAGAGATGCCAAGGACAGGAAACGGACCAGTTTCAGCGTGCGGGAGGTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200250 representing NM_001109907
 Red=Cloning site Green=Tags(s)

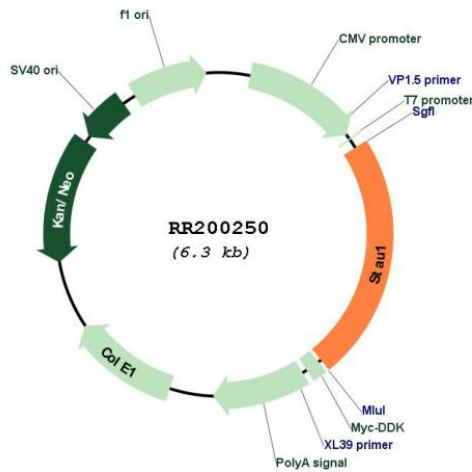
MYKPVDPHSRMQSTYSYGMRRGAYPPRYFYPFPVPLLYQVELSVGGQQFNGKGMKMRPPVKHDATARALR
 TLQSEPLPERLEVNGRESEENLNKSEISQVFEIALKRNLVNFVARESGPPHMKNFVTRVSVGEFVGE
 GEGKSKKISKNAARAVLEQLRRLPPLPAVERVKPRIKKKSQPTCKLQTAPDYGGMNPISRLAQIQQAK
 KEKEPEYMLLTERGLPRRREFVMQVKVGHHTAEGAGTNKKVAKRNAENMLEILGFKVPQAQPAKPAKLS
 EEKTPVKKPGDGRKVTFFEPSPGDENGTSNKEDEFRMPYL SHQQLPAGILPMVPEVAQAVGVSQGHHTKD
 FARAAPNPAKATVTAMIARELLYGGTSPTAETILKSNISSGHVPHGPRTRPSEQLYYL SRAQGFQVEYKD
 FPKNNKNECVSLINCSSQPPLVSHGIGKDYVESHDMAALNILKLLSELDQQSTEMPRTGNGPVSACGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:

ACCN:

NM_001109907

ORF Size:

1467 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_001109907.1](#), [NP_001103377.1](#)

RefSeq Size: 3055 bp

RefSeq ORF: 1470 bp

Locus ID: 84496

Cytogenetics: 3q42

MW: 54.1 kDa

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