

Product datasheet for **MR230153**

Stau1 (NM_001291160) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR230153 representing NM_001291160
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTATAAGCCGTGGACCTCACTCTCGGATGCAGTCCACCTACAGCTATGGCATGCGTGGAGGTGCCT
 ATCCCCCAGATACTTTTACCCATTTCCAGTCCCACCTTTACTCTACCAAGTTGAGCTCTCCGTGGGCGG
 ACAGCAGTTTAAATGGAAAGGAAAGATGAGACCACCCGTGAAACACGATGCCCTGCCCGTGCCTGAGG
 ACTCTGCAGAGTGAACCCCTGCCAGAAAGGTTGGAGGTAATGGAAGAGAAGCAGAGGAAGAAAACCTCA
 ATAAATCGGAAATAAGCCAAGTGTTTGAAATTGCGCTGAAGCGGAATTTGCCTGTGAATTTGAGGTGCC
 CCGGGAGAGTGGCCACCACACATGAAGAACTTTGTGACCAGGTTTCAGTTGGGGAATTTGTAGGGGAA
 GGAGAAGGAAAAGCAAGAAGATCTCCAAGAAGAAATGCGGCCAGGGCTTCTGGAGCAGCTTAGGAGGC
 TGCCACCCCTCCCTGCTGTGGAGCGAGTGAAGCCAGAATCAAGAAGAAAAGTCAGCCCACCTGCAAGCT
 ACAGACAGCCCCGATTATGGCCAAGGGATGAATCCTATTAGTAGACTTGCACAGATCCAGCAGGCAAAA
 AAGGAGAAGGAGCCAGAGTACATGCTCCTTACAGAACGAGGTCTCCACGTGCGCAGGAGTTTGTGATGC
 AGGTAAAGGTTGGGCATCACACTGCAGAAGGAGTGGGTACCAATAAGAAGGTGGCCAAGCGTAATGCTGC
 TGAGAACATGCTGGAGATCCTGGGGTCAAAGTTCACAGGCGCAGCCTGCCAAGCCAGCACTCAAATCA
 GAAGAGAAGACTCCAGTAAAGAAACCAGGAGACGGAAGGAAAAGTAACGTTTTTTGAACCTAGCCCTGGG
 ATGAAAATGGAAGTAGTAACAAGGACGAGGAGTTCAGGATGCCTTATCTTAGCCATCAGCAGCTGCCAGC
 TGAATTTCTCCCATGGTGCCGGAAGTTGCCAGGCTGTGGGGTTAGTCAAGGACACCACCAAAGAT
 TTCACCAGGCGAGCTCCAAATCCTGCCAAGCAACGGTAACTGCCATGATAGCCGAGAGTTGTTGTACG
 GGGCACCTCGCCACAGCCGAGACCATTTTAAAGAGTAACATCTCTTCAGGCCAGTACCCATGGACC
 TCGCACTAGACCCTCTGAGCAACTGTACTACCTTTCCAGAGCCAGGGATTCCAGGTTGAATACAAAGAT
 TTTCCAAGAACAACAAGACGAGTGTGTATCTCTCATCAACTGCTCCTCACAGCCGCTCTCGTCAGTC
 ATGGCATCGCAAGGATGTGGAGTCTGTATGATATGGCTGCACTGAACATTTTAAAGCTGCTGTCTGA
 GTTGGACCAACAGAGCACAGAGATGCCAAGAACAGGAAATGGACCAGTTTCAGCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230153 representing NM_001291160
 Red=Cloning site Green=Tags(s)

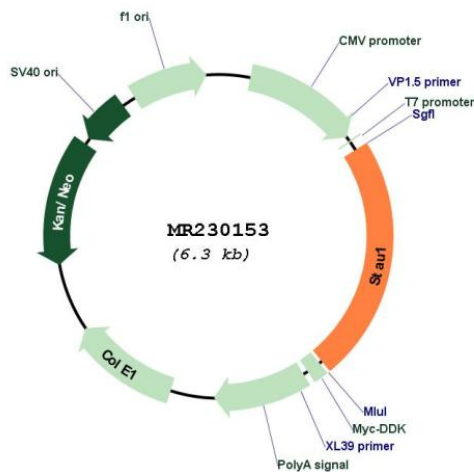
MYKPVDPHSRMQSTYSYGMRRGAYPPRYFYPFPVPLLYQVELSVGGQQFNGKGMPPVKHDAPARALR
 TLQSEPLPERLEVNGREAEENLNKSEISQVFEIALKRNLVNFVARESGPPHMKNFVTRVSVGEFVGE
 GEGKSKKISKNAARAVLEQLRRLPPLPAVERVKPRIKKKSQPTCKLQTAPDYGGMNPI SRLAQIQQAK
 KEKEPEYMLLTERGLPRRREFVMQVKVGHHTAEGVGTNKKVAKRNAENMLEILGFKVPQAQPAKPKLS
 EEKTPVKKPGDGRKVTFFEPSPGDENGTSNKDEEFRMPYL SHQQLPAGILPMVPEVAQAVGVSQGHHTKD
 FTRAAPNPAKATVTAMIARELLYGGTSPTAETILKSNISSGHVPHGPRTRPSEQLYYL SRAQGFQVEYKD
 FPKNNKNECVSLINCSSQPPLVSHGIGKDVESCHDMAALNILKLLSELDQQSTEMPRTGNPVSVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001291160

ORF Size: 1455 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_001291160.1](#), [NP_001278089.1](#)

RefSeq Size: 3651 bp

RefSeq ORF: 1458 bp

Locus ID: 20853

Cytogenetics: 2 H3

MW: 54.2 kDa

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]