

Product datasheet for **MG226029**

Stau1 (NM_011490) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stau1 (NM_011490) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Stau1
Synonyms:	5830401L18Rik; AW549911; C85792; Stau
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226029 representing NM_011490
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATAAGCCGTGACCCCTCACTCTCGGATGCAGTCCACCTACAGCTATGGCATGCGTGGAGGTGCCT
 ATCCCCCAGATACTTTTACCCATTTCCAGTCCCACCTTTACTCTACCAAGTTGAGCTCTCCGTGGGCGG
 ACAGCAGTTTAAATGGGAAAGGAAAGATGAGACCACCCGTGAAACACGATGCCCTGCCCGTGCCTGAGG
 ACTCTGCAGAGTGAACCCCTGCCAGAAAGGTTGGAGGTAATGGAAGAGAAGCAGAGGAAGAAAACCTCA
 ATAAATCGGAAATAAGCCAAGTGTTTGAAATTGCGCTGAAGCGGAATTTGCCTGTGAATTTGAGGTGGC
 CCGGGAGAGTGGCCACCACACATGAAGAACTTTGTGACCAGGTTTCAGTTGGGGAATTTGTAGGGGAA
 GGAGAAGGAAAAGCAAGAAGATCTCCAAGAAGAAATGCGGCCAGGGCTGTCTGGAGCAGCTTAGGAGGC
 TGCCACCCCTCCCTGCTGTGGAGCGAGTGAAGCCAGAATCAAGAAGAAAAGTCAGCCCACCTGCAAGCT
 ACAGACAGCCCCGATTATGGCCAAGGGATGAATCCTATTAGTAGACTTGCACAGATCCAGCAGGCAAAA
 AAGGAGAAGGAGCCAGAGTACATGCTCCTTACAGAACGAGGTCTCCACGTCGCAGGGAGTTTGTGATGC
 AGGTAAAGGTTGGGCATCACACTGCAGAAGGAGTGGGTACCAATAAGAAGGTGGCCAAGCGTAATGCTGC
 TGAGAACATGCTGGAGATCCTGGGGTCAAAGTCCCCAGGCGCAGCCTGCCAAGCCAGCACTCAAATCA
 GAAGAGAAGACTCCAGTAAAGAAACCAGGAGACGGAAGGAAAAGTAACGTTTTTTGAACCTAGCCCTGGGG
 ATGAAAATGGAAGTAGTAAACAGGACGAGGAGTTCAGGATGCCTTATCTTAGCCATCAGCAGCTGCCAGC
 TGAATTTCTCCCATGGTGCCGGAAGTTGCCAGGCTGTGGGGTTAGTCAAGGACACCACCAAAGAT
 TTCACCAGGCGAGCTCCAAATCCTGCCAAGGCAACGGTAACTGCCATGATAGCCGAGAGTTGTTGTACG
 GGGGCACCTCGCCACAGCCGAGACCATTTTAAAGAGTAACATCTCTTCAGGCCAGTACCCCATGGAGC
 TCGCACTAGACCTCTGAGCAACTGTACTACCTTTCCAGAGCCAGGGATTCCAGGTTGAATACAAAGAT
 TTTCCCAAGAACAACAAGACGAGTGTGTATCTCTCATCAACTGCTCCTCACAGCCGCTCTCGTCAGTC
 ATGGCATCGGCAAGGATGTGGAGTCTGTATGATATGGCTGCACTGAACATTTTAAAGCTGCTGTCTGA
 GTTGGACCAACAGAGCACAGAGATGCCAAGAACAGGAAATGGACCAGTTTCAGCGTGCAGGAGGTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG226029 representing NM_011490
 Red=Cloning site Green=Tags(s)

MYKPVDPHSRMQSTYSYGMRRGAYPPRYFYPFPVPLLYQVELSVGGQQFNGKGMKRPVKHDAPARALR
 TLQSEPLPERLEVNGREAEENLNKSEISQVFEIALKRNLVNFVARESGPPHMKNFVTRVSVGEFVGE
 GEGKSKKISKKNAARAVLEQLRRLPPLPAVERVKPRIKKKSQPTCKLQTAPDYQGGMNPI SRLAQIQQAK
 KEKEPEYMLLTERGLPRRREFVMQVKVGHHTAEGVGTNKKVAKRNAENMLEILGFKVPQAQPAKPAKLS
 EEKTPVKKPGDGRKVTFEFSPGDENGTSNKDEEFRMPYLSHQQLPAGILPMVPEVAQAVGVSQGHHTKD
 FTAAAPNPAKATVTAMIARELLYGGTSPTAETILKSNISSGHVPHGPRTRPSEQLYYL SRAQGFQVEYKD
 FPKNNKNECVSLINCSSQPPLVSHGIGKDVESCHDMAALNILKLLSELDQQSTEMPRTGNPVSACGRC

TRTRPLE - GFP Tag - V

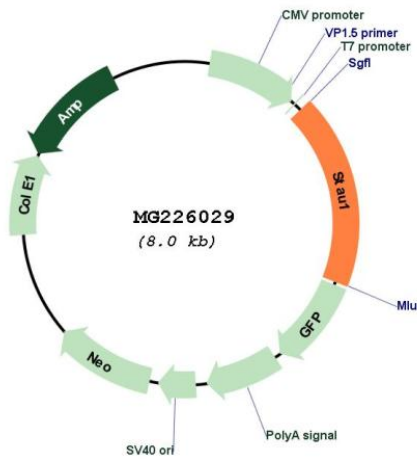
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011490

ORF Size: 1461 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_011490.3](#), [NP_035620.1](#)

RefSeq Size: 2996 bp

RefSeq ORF: 1464 bp

Locus ID: 20853

UniProt ID: [Q9Z108](#)

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]