

Product datasheet for **MG207685**

Stau2 (BC025118) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stau2 (BC025118) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Stau2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207685 representing BC025118
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTTCAGATAAATCAGATGTTTTCGGTGCAGCTGAGTCTTGGCGAGCAGACATGGGAATCCGAAGGGA
 GCAGTATAAAGAAGGCCCAACAAGCTGTTGCTAACAAAGCTTTGACTGAATCTACGTTCCCAAACCACT
 TCAGAAACCACCTAAAAGTAATGTCAATAATAACCCAGGTAGTATAACTCCAAGTGTGAACTGAATGGG
 CTCGCTATGAAAAGGGGAGAGCCTGCCATCTACAGGCCACTAGATCCAAAGCCATCCCAAATTATAGAG
 CTAATACTACAATTCCGGGGCATGTACAATCAGAGGTATCATTGCCCAATGCCAAGATCTTTTATGTTCA
 GTTAACTGTAGGAAATAATGAATCTTTGGTGAAGGGAAGACTCGACAAGCTGCCAGACACAATGCTGCG
 ATGAAAGCGCTTCAAGCCCTACAGAATGAGCCAATCCAGAAAAGTCTCCCAGAATGGTGAATCAGGAA
 AAGAAATGGATGACGATAAAGATGCAAAATAATCTGAAAATAAGCTTAGTGTGAGATTGCGCTGAAGAG
 AAATATGCCTGTCAGTTTTGAGGTTATTAAGAAAAGTGGACCACCACATATGAAGAGTTTTGTAACCTCGG
 GTGTCAGTGGGAGAATTTCTGCAGAAGGAGAGGAAATAGCAAAAAACTCTCCAAGAAGCGTGCCGCAA
 CCACTGTCTTACAGGAGCTTAAAAAACTCCACCTCTTCTCTGTGGTAGAGAAGCCAAAACTATTTTTTAA
 AAAACGCCCTAAAACAATAGTAAAGGCTGGACCCGACTATGGTCAAGGAATGAACCCATTAGCCGCGCTG
 GCTCAGATCCAGCAAGCCAGAAAGGAAAAGGAGCCTGATTACATCTACTCTCAGAACGAGGAATGCCTC
 GCCGTCGAGAGTTCGTAATGCAGGTCAAGGTAGGCAATGAAGTTGCGACTGGAACAGGACCCAATAAAAA
 GATAGCCAAAAAAATGCTGTGAAGCAATGCTGTTACAGCTTGCTATAAAGCGTCCACCAGTCTTCAG
 GATCCGCTCGACAAGACAGGTGAAAACAAGGATGGAGTGGTCCAAGCCCTGGGTTTCTGAACCAACAA
 ATAACTCCAAAAGGAATCTTCATCTTCTCCTGATTTTATCAAGAGATGGAAGCTAGCCGCCACAG
 AGTGACCTCTGGCACAACCTCTAAGCTACTTATCTCCCAAAGATATGAACCAACCTTCAAGCTCTTTCTTC
 AGTGTGTCTCCCTCATCAACTAGTTCAGCCACAGTTGCCAGGAACTCCTTATGAATGGAACATCTCCTA
 CTGCTGAAGCCATAGTTTTAAAAGGAAGTTCTCTACTTCCCCTTGTCTTCAGTACAGCCTTCAAAAACA
 ACTGGAATATTTAGCAAGGATTCAAGGCTTTCAGGTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207685 representing BC025118
 Red=Cloning site Green=Tags(s)

MLQINQMFSVQLSLGEQTWESESSIKKAQQAVANKALTESTLPKPVQKPPKSNVNNNPGSITPTVELNG
 LAMKRGEPAIYRPLDPKPPNYRANYNFRGMYNQRYHCPMPKIFYVQLTVGNNEFFGEGKTRQAARHNAA
 MKALQALQNEPIPEKSPQNGESGKEMDDDKDANKSEISLVFEIALKRNMPVSFEVIKESGPPHMKSFVTR
 VSVGEFSAEGEGNSKKLSKKRAATTVLQELKLLPPLPVVEKPKLFFKKRPKTIKAGPDYQGGMNPI SRL
 AQIQQARKEKEDYILLSERGMPRRREFVMQVKGNEVATGTGPNKKIAKKNAEAMLLQLGYKASTSLQ
 DPLDKTGENKGWSPKPGFPEPTNNTPKGILHLSPDVYQEMEASRHRVTS GTTLSYLSPKDMNQPS SFF
 SVSPSSTSSATVARELLMNGTSPTAEAIGLKGS SPTSPCSSVQPSKQLEYLARIQGFV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: BC025118

ORF Size: 1437 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: [BC025118](#), [AAH25118](#)

RefSeq Size: 1606 bp

RefSeq ORF: 1439 bp

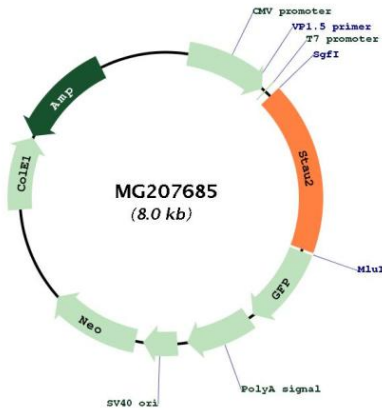
Locus ID: 29819

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]

Product images:



Circular map for MG207685