

Product datasheet for **MR207685**

Stau2 (BC025118) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stau2 (BC025118) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stau2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207685 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTTCAGATAAATCAGATGTTTTCGGTGCAGCTGAGTCTTGGCGAGCAGACATGGGAATCCGAAGGGA
 GCAGTATAAAGAAGGCCCAACAAGCTGTTGCTAACAAAGCTTTGACTGAATCTACGTTCCCAAACCAAGT
 TCAGAAACCACCTAAAAGTAATGTCAATAATAACCCAGGTAGTATAACTCCAAGTGTGAACTGAATGGG
 CTCGCTATGAAAAGGGGAGAGCCTGCCATCTACAGGCCACTAGATCCAAAGCCATCCCAAATTATAGAG
 CTAACTACAACCTCCGGGGCATGTACAATCAGAGGTATCATTGCCCAATGCCAAGATCTTTTATGTTCA
 GTTAACTGTAGGAAATAATGAATCTTTGGTGAAGGGAAGACTCGACAAGCTGCCAGACACAATGCTGCG
 ATGAAAGCGCTTCAAGCCCTACAGAATGAGCAATCCAGAAAAGTCTCCCAGAATGGTGAATCAGGAA
 AAGAAATGGATGACGATAAAGATGCAAAATAATCTGAAAATAAGCTTAGTGTGAGATTGCGCTGAAGAG
 AAATATGCCTGTCAGTTTTGAGGTTATTAAGAAAAGTGGACCACACATATGAAGAGTTTTGTAAGCTCGG
 GTGTCAGTGGGAGAATTTCTGCAGAAGGAGAGGAAATAGCAAAAACTCTCCAAGAAGCGTGCCGCAA
 CCACTGTCTTACAGGAGCTTAAAAAATCCACCTCTTCTGTGGTAGAGAAGCCAAAACTATTTTTTAA
 AAAACGCCCTAAAACAATAGTAAAGGCTGGACCCGACTATGGTCAAGGAATGAACCCATTAGCCGCTG
 GCTCAGATCCAGCAAGCCAGAAAGGAAAAGGAGCCTGATTACATCTACTCTCAGAACGAGGAATGCCTC
 GCCGTCGAGAGTTCGTAATGCAGGTCAAGGTAGGCAATGAAGTTGCGACTGGAACAGGACCCAATAAAAA
 GATAGCCAAAAAATGCTGTGAAGCAATGCTGTTACAGCTTGCTATAAAGCGTCCACCAGTCTTCAG
 GATCCGCTCGACAAGACAGGTGAAAACAAGGATGGAGTGGTCCAAGCCTGGGTTTCTGAACCAACAA
 ATAACACTCCAAAAGGAATTTCTCATCTTCTCCTGATGTTTATCAAGAGATGGAAGCTAGCCGCCACAG
 AGTGACCTCTGGCACAACCTCTAAGCTACTTATCTCCCAAAGATATGAACCAACCTCAAGCTCTTTCTTC
 AGTGTGTCTCCCTCATCAACTAGTTCAGCCACAGTTGCCAGGAACTCCTTATGAATGGAACATCTCCTA
 CTGCTGAAGCCATAGGTTTTAAAAGGAAGTTCTCTACTTCCCCTTGTCTTCAGTACAGCCTTCAAAACA
 ACTGGAATATTTAGCAAGGATTCAAGGCTTTCAGGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207685 protein sequence
 Red=Cloning site Green=Tags(s)

MLQINQMFSVQLSLGEQTWESESSIKKAQQAVANKALTESTLPKPVQKPPKSNVNNNPGSITPTVELNG
 LAMKRGEPAIYRPLDPKPFNYRANYNFRGMYNQRYHCPMPKIFYVQLTVGNNEFFGEGKTRQAAARHNAA
 MKALQALQNEPIPEKSPQNGESGKEMDDDKDANKSEISLVFEIALKRNMPVSFEVIKESGPPHMKSFVTR
 VSVGEFSAEGEGNSKKLSKKRAATTVLQELKLLPPLPVVEKPKLFFKKRPKTIIVKAGPDYQGGMNPI SRL
 AQIQQARKEKEPDYILLSERGMPRRREFVMQVKVNEVATGTGPNKKIAKKNAEAMLLQLGYKASTSLQ
 DPLDKTGENKGWSPKPGFPEPTNNTPKGILHLSPDVYQEMEASRHRVTS GTTLSYLSPKDMNQPS SFF
 SVSPSSTSSATVARELLMNGTSPTAEAIGLKGSSPTSPCSSVQPSKQLEYLARIQGFQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

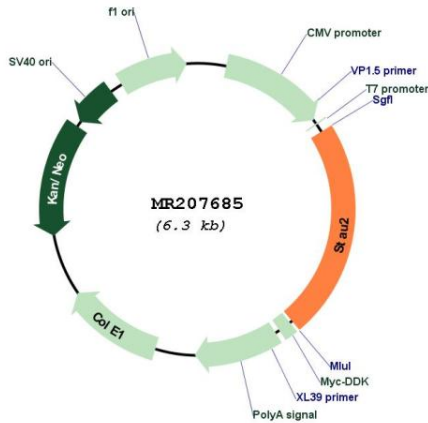
Cytogenetics: 1 A3

MW: 52.7 kDa

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 MR207685