

Product datasheet for **RC228416**

STAU2 (NM_001164382) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STAU2 (NM_001164382) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STAU2
Synonyms:	39K2; 39K3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC228416 representing NM_001164382
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAAAGGGGAGAGCCTGCCATCTACAGGCCATTAGATCCAAAGCCATTCCTCAAATATAGAGCTAATT
 ACAACTTTTCGGGCATGTACAATCAGAGGTATCATTGCCAGTGCCTAAGATCTTTTATGTTTCAGCTCAC
 TGTAGGAAATAATGAATTTTTGGGGAAGGAAAGACTCGACAAGCTGCTAGACACAATGCTGCAATGAAA
 GCCCTCCAAGCACTGCAGAAATGAACCTATTCCAGAAAGATCTCCTCAGAAATGGTGAATCAGGAAAGGATG
 TGGATGATGACAAAGATGCAAAATAGTCTGAGATCAGCTTAGTGTGTTGAAATGCTCTGAAGCGAAATAT
 GCCTGTCAGTTTTGAGGTTATTAAGAAAGTGGACCACCACATATGAAAAGCTTTGTTACTCGAGTGTCA
 GTAGGAGAGTTCTCTGCAGAAGGAGAAGGAAATAGCAAAAACTCTCAAGAAGCGCGCTGCGACCACCG
 TCTTACAGGAGCTTAAAAAACTTCCACCTTCTCTGTGGTGGAAAAGCCAAAATATTTTTTAAAAAACG
 CCCTAAAACAATAGTAAAGGCCGACCAGAATATGGCCAAGGGATGAACCCTATTAGCCGCTGGCGCAA
 ATTCAACAGGCCAAAAAGGAAAAGGAGCCGGATTATGTTTTGCTTTCAGAAAGAGGAATGCCTCGAGCTC
 GAGAATTTGTGATGCAGGTGAAGGTAGGCAATGAAGTTGCTACAGGAACAGGACCTAATAAAAAAGATAGC
 CAAAAAATGCTGCAGAAGCAATGCTGTTACAACCTTGGTTATAAAGCATCCACTAATCTTCAGGATCAA
 CTTGAGAAGACAGGGGAAAAACAAGGATGGAGTGGTCCAAAGCCTGGGTTTCTGAACCAACAAATAATA
 CTCCAAAAGGAATTTTCATTTGTCTCCTGATGTTTATCAAGAGATGGAAGCCAGCCGCCACAAAGTAAT
 CTCTGGCACTACTTAGGCTATTTGTCACCAAGATATGAACCAACCTTCAAGCTCTTCTTTCAGTATA
 TCTCCACATCGAATAGTTCAGCTACAATTGCCAGGAACTCCTTATGAATGGAACATCTTCTACAGCTG
 AAGCCATAGGTTTAAAAGGAAGTCTCCTACTCCCCTTGTCTCCAGTACAACCTTCAAAAAACAACGTTGA
 ATATTTAGCAAGGATTCAGGCTTTCAGGTTTCACTACTGTGATAGACAAAGTGGCAAAGAGTGTGTGACC
 TGTCTGACATTAGCCCTGTGCAGATGACTTTCATGCTATTGGAAGCTCCATTGAAGCCAGCCATGATC
 AGGCAGCCTTAAGTGCCTTGAACAATTTTCTGAACAAGGACTGGATCCAATCGATGGAGCAATGAATAT
 CGAAAAAGGTTCTCTTGAACAAGCAAGCATCTGAGAGAGAAAGCGGACAATAACCAGGCACCCCGC
 GGCTCCATCGCTCAGGACTGCAAGAAATCAAACCTCGGCCGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228416 representing NM_001164382
 Red=Cloning site Green=Tags(s)

MKRGEPAIYRPLDPKPFNYRANYNFRGMYNQRYHCPVPKIFYVQLTVGNNEFFGEGKTRQARHNAAMK
 ALQALQNEPIPERSPQNGESGKDVEDDDKANKSEISLVFEIALKRNPVSVFEVIKESGPPHMKSFVTRVS
 VGEFSAEGEGNSKKLSKKRAATTVLQELKKLPPLPVVEKPKLFFKKRPKTIKAGPEYQGGMNPI SRLAQ
 IQQAKKEKEPDYVLLSERGMPPRRREFVMQVKVGNVATGTGPNKKIAKKNAAEAMLLQLGYKASTNLQDQ
 LEKTGENKGWSPKPGFPEPTNTPKGLLHLSPDVYQEMEASRHKVISGTTLGYLSPKDMNQPSFFFISI
 SPTSNSSATIARELLMNGTSSTAEIIGLKGSSPTPPCSPVQPSKQLEYLARIQGFQVHYCDRQSGKECVT
 CLTLAPVQMTFHAIGSSIEASHDQAALSALKQFSEQLDPIDGAMNIEKGSLEKQAKHLREKADNNQAPP
 GSIAQDCKKSNSAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8064_a02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001164382

ORF Size: 1512 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_001164382.1](#), [NP_001157854.1](#)

RefSeq ORF: 1515 bp

Locus ID: 27067

UniProt ID: [Q9NUL3](#)

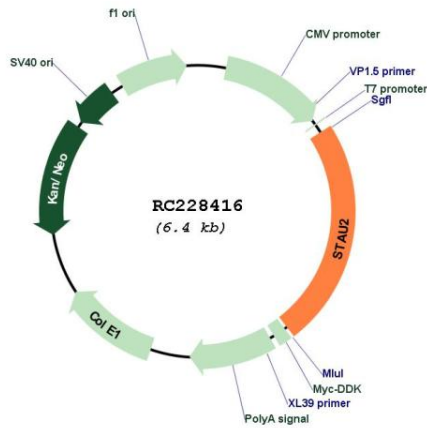
Cytogenetics: 8q21.11

Protein Families: Transcription Factors

MW: 55.2 kDa

Gene Summary: Staufen homolog 2 is a member of the family of double-stranded RNA (dsRNA)-binding proteins involved in the transport and/or localization of mRNAs to different subcellular compartments and/or organelles. These proteins are characterized by the presence of multiple dsRNA-binding domains which are required to bind RNAs having double-stranded secondary structures. Staufen homolog 2 shares 48.5% and 59.9% similarity with drosophila and human staufer, respectively. The exact function of Staufen homolog 2 is not known, but since it contains 3 copies of conserved dsRNA binding domain, it could be involved in double-stranded RNA binding events. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2009]

Product images:



Circular map for RC228416