

Product datasheet for **RC228920**

STAU2 (NM_001164385) Human Tagged ORF Clone

Product data:

| | |
|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | STAU2 (NM_001164385) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | STAU2 |
| Synonyms: | 39K2; 39K3 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

ORF Nucleotide Sequence:

>RC228920 representing NM_001164385
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTCTCAGTGCAGCTGAGTCTTGGTGAGCAGACATGGGAATCCGAAGGCAGCAGTATAAAGAAGGCTC
 AGCAGGCTGTTGCCAATAAAGCTTTGACTGAATCTACGCTTCCCAAACCGATTTCAGAAGCCACCCAAAAG
 TAATGTTAACAATAACCCAGGCAGTATAACTCCAAGTGGAACTGAATGGGCTTCTATGAAAAGGGGA
 GAGCCTGCCATCTACAGGCCATTAGATCCAAAGCCATTCCCAAATATAGAGCTAATTACAACCTTCGGG
 GCATGTACAATCAGAGGTATCATTGCCAGTGCCTAAGATCTTTTATGTTTCTCAGCTCACTGTAGGAAATAA
 TGAATTTTTGGGAAGGAAAGACTCGACAAGCTGCTAGACACAATGCTGCAATGAAAGCCCTCCAAGCA
 CTGCAGAATGAACCTATCCAGAAAGATCTCTCAGAATGGTGAATCAGGAAAGGATGTGGATGATGACA
 AAGATGCAATAAAGTCTGAGATCAGCTTAGTGTGTTGAAATGCTCTGAAGCGAAATATGCCTGTCAGTTT
 TGAGGTTATTAAGAAAGTGGACCACCACATATGAAAAGCTTTGTTACTCGAGTGTGAGTGGAGAGTTC
 TCTGCAGAAGGAGAAGGAAATAGCAAAAACTCTCCAAGAAGCGCGCTGCCACCACCGTCTTACAGGAGC
 TTAATAAACTTCCACCTCTTCTGTGGTGGAAAAGCCAAAATTTTTTAAAAACGCCCTAAAAACAAT
 AGTAAAGGCCGGACCAGAATATGGCCAAGGGATGAACCTATTAGCCGCTGGCGCAAATTAACAGGCC
 AAAAAGGAAAAGGAGCCGGATTATGTTTGTCTTTCAGAAAAGGAATGCCTCGACGTCGAGAATTTGTGA
 TGCAGGTGAAGGTAGGCAATGAAGTTGTACAGGAACAGGACCTAATAAAAAGATAGCCAAAAAATGC
 TGCAGAAGCAATGCTGTTACAACCTGGTTATAAAGCATCCACTAATCTTCAGGATCAACTTGAGAAGACA
 GGGGAAAAACAAGGATGGAGTGGTCCAAAGCCTGGGTTTCTGAACCAACAATAATACTCCAAAAGGAA
 TTCTTCTTTGTCTCTGATGTTTATCAAGAGATGGAAGCCAGCCGCCACAAAGTAACTCTGCGCACTAC
 TCTAGGCTATTTGTCACCCAAAGATATGAACCAACCTCAAGCTCTTTCTCAGTATATCTCCCATCG
 AATAGTTCAGCTACAATTGCCAGGAACTCCTTATGAATGGAACATCTTCTACAGCTGAAGCCATAGGTT
 TAAAAGGAAGTTCTCTACTCCCTTGTCTCCAGTACAACCTTCAAAAACAAGTGAATATTTAGCAAG
 GATTCAAGGCTTTCAGGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228920 representing NM_001164385
 Red=Cloning site Green=Tags(s)

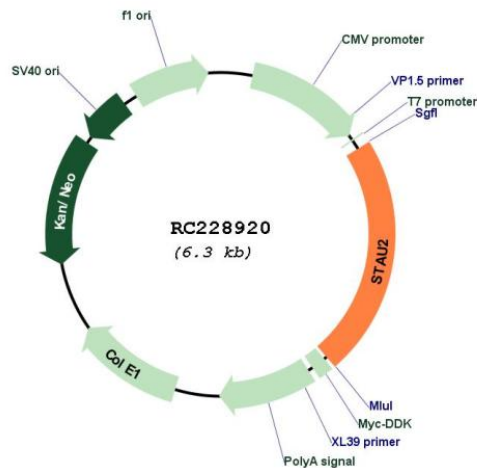
MFSVQLSLGEQTWESESSIKKAQQAVANKALTESTLPKPVQKPPKSNVNNNPGSITPTVELNGLAMKRG
 EPAIYRPLDPKPFNYRANYNFRGMYNQRYHCPVKIFYVQLTVGNNEFFGEGKTRQAARHNAAMKALQA
 LQNEPIPERSPQNGESGKDVEDDDKANKSEISLVFEIALKRNMPVSFEVIKESGPPHMSFVTRVSVGEF
 SAEGEGNSKLSKKRAATTVLQELKLPPLPVVEKPKLFFKKRPKTIKAGPEYGGMNPISRLAQIQQA
 KKEKEPDYVLLSERGMPPRRREFVMQVKGNEVATGTGPNKKIAKKNAAEAMLLQLGYKASTNLQDQLEKT
 GENKGWSPKPGFPEPTNNTPKGILHLSPDVYQEMASRHKVISGTTLGYLSPKDMNQPSSEFFSISPTS
 NSSATIARELLMNGTSSAEIIGLKGSSPTPPCSPVQPSKQLEYLARIQGFQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:

ACCN:

NM_001164385

ORF Size:

1419 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_001164385.1](#), [NP_001157857.1](#)

RefSeq Size: 3982 bp

RefSeq ORF: 1422 bp

Locus ID: 27067

UniProt ID: [Q9NUL3](#)

Cytogenetics: 8q21.11

Protein Families: Transcription Factors

MW: 52 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 staufen, 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]