

Product datasheet for **SC127653**

STAU2 (AK002152) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STAU2 (AK002152) Human Untagged Clone
Tag:	Tag Free
Symbol:	STAU2
Synonyms:	39K2; 39K3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK002152, the custom clone sequence may differ by one or more nucleotides

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ATGGCAAACCCAAAAGAGAAAACCTGCAATGTGTCTGGTAAATGAGTTAGCCCGTTTCAATAGAGTCCAAC
CCCAGTATAAACTTCTGAATGAAAGAGGGCCTGCTCATTCAAAGATGTTCTCAGTGCAGCTGAGTCTTGG
TGAGCAGACATGGGAATCCGAAGGCAGCAGTATAAAGAAGGCTCAGCAGGCTGTTGCCAATAAAGCTTTG
ACTGAATCTACGCTTCCCAAACCAAGTTCAGAAGCCACCCAAAAGTAATGTTAACAATAACCCAGGCAGTA
TAACTCCAACCTGTGGAACCTGAATGGGCTTGCTATGAAAAGGGGAGAGCCTGCCATCTACAGGCCATTAGA
TCCAAAGCCATTCCCAAATTATAGAGCTAATTACAACCTTCGGGGCATGTACAATCAGAGGTATCATTGC
CCAGTGCCTAAGATCTTTTATGTTTCAAGTCACTGTAGGAAATAATGAATTTTTGGGGAAGGAAAGACTC
GACAAGCTGCTAGACACAATGCTGCAATGAAAGCCCTCCAAGCACTGCAGAATGAACCTATTCCAGAAAAG
ATCTCCTCAGAATGGTGAATCAGGAAAGGATATGGATGATGACAAAGATGCAAAATAAGTCTGAGATCAGC
TTAGTGTGTTGAAATTGCTCTGAAGCGAAATATGCCTGTCAGTTTTGAGGTTATTAAGAAAGTGGACCAC
CACATATGAAAAGCTTTGTTACTCGAGTGTGAGTGGAGAGTTCTCTGCAGAAGGAGAAGGAAATAGCAA
AAAACCTCCAAGAAGCGCGCTGCGACCACCGTCTTACAGGAGCTTAAAAAATCCACCTCTTCTGTG
GTGAAAAAGCCAAAACCTATTTTTAAAAACGCCCTAAAACAATAGTAAAGGCCGGACCAGAATATGGCC
AAGGGATGAACCTATTAGCCGCTGGCGCAAATCAACAGGCCAAAAGGAAAAGGAGCCGGATTATGT
TTTGCTTTCAGAAAAGAGGAATGCCTCGACGTCGAGAATTTGTGATGCAGGTGAAGGTAGGCAATGAAGTT
GCTACAGGAACAGGACCTAATAAAAAGTAGCCAAAAAATGCTGCAGAAGCAATGCTGTTACAACCTTG
GTTATAAAGCATCCACTAATCTTCAGGATCAACTTGAGAAGACAGGGGAAAAACAAGGATGGAGTGGTCC
AAAGCCTGGGTTTCTGAACCAACAATAACTCCAAAAGGAATCTTCATTTGCTCTCTGATGTTTAT
AAAGAGATGGAAGCCAGCCGCCACAAGTAATCTCTGGCACTACTAGGCTATTTGTCAACCAAGATA
TGAAACCAACCTTCAAGCTTTTCTTCAGTATATCTCCACATCGAATAGTTCAGCTACAATTGCCAGGGA
ACTCCTTATGAATGGAACATCTTCTACAGCTGAAGCCATAGGTTTAAAAGGAAGTTCTCCTACTCCCTT
TGTCTCCAGTACAACCTTCAAAACAACCTGGAATATTTAGCAAGGATTCAAGGCTTTCAGGCAGCCTTAA
GTGCCCTTGAACAATTTTCTGAACAAGGACTGGATCCAATCGATGGAGCAATGAATATCGAAAAAGGTTCT
TCTTGAAAAACAAGCCAAGCATCTGAGAGAGAAAGCGGACAATAACCAGGCACCCCGGGCTCCATCGCT
CAGGACTGCAAGAAATCAAACCTCGGCCGCTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for AK002152 unedited

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ACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGTTTGCCAATGTTGGAGCCGCTCTGC
AAAGTGTCCCCGGCAAGAAGAGGCTGCCTACCACAAGGACTTTAGCTTACTTTTTAAAGA
TTGAAGAAAAAAGAAGACAGAAAAAGAAGAACTCAAAGATACACAAAGTAATTTGAAC
CAAGGCTCAGAAGTTTTTGGAGCCGTGAGGGATACAGCAGTTTGGTCAATATTGTCTTAA
CATGCTTCAAATAAATCAGATGTTCTCAGTGCAGCTGAGTCTTGGTGAAGCAGACATGGGA
ATCCGAAGGCAGCAGTATAAAGAAGGCTCAGCAGGCTGTTGCCAATAAAGCTTTGACTGA
ATCTACGCTTCCCAAACCAAGTTCAGAAGCCACCCAAAAGTAATGTTAACAATAACCCAGG
CAGTATAACTCCAACCTGTGGAACCTGAATGGGCTTGCTATGAAAAGGGGAGAGCCTGCCAT
CTACAGGCCATTAGATCCAAAGCCATTCCCAAATTATAGAGCTAATTACAACCTTCGGGG
CATGTACAATCAGAGGTATCATTGCCAGTGCCTAAGATCTTTTATGTTTCAAGTCACTGT
ANGAAATAATGAATTTTTTGGGGAAGGAAAGACTCGANCAGCTGCTAGACACAATGCTNG
CATGAAAGCCCTCAAGCACTGCAGAATGAACCTATTCCAGAAAGATCTNCTCAGAATGG
TGAAATCANNGAAGGATATGGATGATGANCAAGATGCANATAAGTCTGAGATCAAGCTTAG
TGTNNNGAAANTGCTCTGAAGCGAAATATGCCCTGTGAGTTTGGAGGATTAAGAAAGT
GGACACCACATATGAAAGCTTTGTTACTCGAGTGTGAGTGAAGAGTCTCTGCAGAGGAGAA
GGAATAGCANAACTTTTCAAGCGCGCTGCGACCACCGCTTAAGGAGCTTAAAACCTCCA
CTCTNCTGTGGTGGAAAGCAAACCTATTTTAAAA
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for AK002152 unedited GGCCTTAGAACCAACCCATTCTTACTGCATCTGCTCCACGCTGGCTTCCAACATGCTGGC CCGGAGCGTGGCTGGCTGGAAGCAACTCCAACAGGTTTTTCCCTTCCCGTCATGTACAT TATTTATTTTGTATCCTACTCACTGTCCCAAGTCCAGAGGCAGTTACAAAAAACTCTT GATGCAAACCGTGAGTGGCTACAACACACGGATGGGGTGGGCGGATTCCCACAACAGG GAGTGGAAATCCGGAAGATGATATATAGGGCAAGACGCCCTTACTTGCTAAGAGTAT ATGGAGCTCAAAACCCACAATTGCTTTGTTTTGTTTCTCAGTTCCTGGAGTATGTTGAAA CTACTTGCTCTTAACATTAGTTCTGTTTTTTCATCAGATATCTGACCTGATTTAAAACAT GTTTGTGTCATACATCTTTTTGTAGTGACCTTATAGTTATTCTACTGATATAGGATG AAGATTATAAATATCTGCATAAAAAGAGAAACCATGTGACTCTATATGAAGACAACCATC ACATTCACAGCACATCATTGGTTCATTTTCGAATTGTCAAGCAGTATTTGAAATGAGAG AGAGAGAGAATATAACTGAACACAAGCACCACGACAAAACAATCATAACAACAGAACCAA ACCCAACTTCTCTATTATTAATCATGTTAAAATTTAGCTTTGTTTCTAACACTTTTCTT TACTTGTATTTTAAAGCTCCAGTAGCAGGATCAGATTTCTGCTGCCTCTAGGCAAATGAG TTATGATCTGATCTCGAATTCGAAGGAAATGCTCAAGTTTTATTTTTCCCATTGAATA AACATACCATGTATATTACCTCTCGGGTAGAATAGTGCTGCCTCCATAGACTCAATAA TGGTTTAGTCATCCATTTCCCTGACCACAACCN
Restriction Sites:	NotI-NotI
ACCN:	AK002152
Insert Size:	2940 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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:	AK002152.1 , BAA92111.1
RefSeq Size:	2968 bp
RefSeq ORF:	1713 bp
Locus ID:	27067
Cytogenetics:	8q21.11
Domains:	DSRM
Protein Families:	Transcription Factors

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]