

Product datasheet for **SC323872**

SF3B3 (NM_012426) Human Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | SF3B3 (NM_012426) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SF3B3 |
| Synonyms: | RSE1; SAP130; SF3b130; STAF130 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |

Fully Sequenced ORF: >OriGene sequence for NM_012426.3
TGTTGGAGTTGGTGGCTTAAGTTTTGAAGGGAGGTAGCATCCGTTGGATATCCACAC
CATCCTTCTCGTGCAGGCTTTCTGGACTCCGTACTGTTGGTGAACCAAGGCCTGGAG
GCTGGGTGGCTCAGTTTTCTGCAGCCATGTTTCTGTACAACCTAACCTTGCAGAGAGC
CACTGGCATCAGCTTTGCCATTCATGGAACCTTTCTGGAACCAACAACAAGAAATTGT
TGTTTCCCGTGGGAAGATCTTGGAGCTGCTTCGCCAGACCCCAACTGGCAAAGTACA
TACCCTACTCACTGTGGAAGTATTCGGTGTATCCGGTCACTCATGGCCTTAGGCTGAC
AGGTGGCACCAAAGACTACATTGTAGTTGGCAGTGACTCTGGTCGAATTGTTATTTTGG
ATACCAGCCATCTAAGAATATGTTTGAAGATTACCAAGAAACCTTTGGCAAGAGTGG
ATGCCGTCGCATCGTTCCGGCCAGTTCTTAGCTGTGGATCCCAAAGGGGAGCCGTTAT
GATTAGTGCCATTGAGAAACAGAAATTGGTGTATATTTTGAACAGAGATGCTGCAGCCCG
ACTTACCATTTCTCCTCCCTGGAAGCCCAAAAGCAAACACTTTAGTGTATCATGTAGT
TGGAGTAGATGTCGGATTTGAAAATCCAATGTTTGCTTGTCTGGAATGGATTATGAGGA
AGCAGACAATGATCCAACAGGGGAAGCAGCAGCTAATACCCAGCAGACACTTACTTTCTA
TGAGCTAGACCTTGGTTTAAATCATGTGGTCCGAAAATACAGTGAACCTTTGGAGGAACA
CGGCAACTTCCTTATTACAGTCCAGGAGGGTCAGATGGTCCAAGTGGAGTACTGATCTG
CTCTGAAAATATATTACTTACAAGAATTTGGTGACCAGCCAGATATCCGCTGTCCAAT
TCCCAGGAGGCGGAATGACCTGGATGACCCTGAAAGAGGAATGATTTTTGTCTGCTCTGC
AACCCATAAAACCAAATCGATGTTCTTCTTTGGCTCAAACAGCAGGAGATATCTT
TAAGATCACTTTGGAGACAGATGAAGATATGTTACTGAGATCCGCTCAAATATTTTGA
TACTGTACCCGTTGCTGCTGCCATGTGTGTGCTTAAAACAGGGTTCCTTTTTGTAGCATC
AGAATTTGAAACCATTACTTATATCAAATGCACATCTTGGAGATGATGATGAAGAACC
TGAGTTTTTCATCAGCCATGCCTCTGGAAGAAGGAGACACATTCTTTTTTCAGCCAAGACC
ACTTAAAAACCTTGTGCTGGTTGATGAGTTGGACAGCCTCTCTCCCATTCTGTTTTGCCA
GATAGCTGATCTGGCCAATGAAGATACTCCACAGTTGTATGTGGCCTGTGGTAGGGGACC
CCGATCATCTCTGAGAGTCTAAGACATGGACTTGAGGTGTCAGAAATGGCTGTTTCTGA
GCTACCTGGTAACCCCAACGCTGTCTGGACAGTGCCTCGACACATTGAAGATGAGTTTGA



[View online »](#)

TGCCTACATTATTGTGTCTTTCGTGAATGCCACCCTAGTGTGTCCATTGGAGAACTGT
 AGAAGAAGTGACTGACTCTGGGTTCTGGGGACCACCCCGACCTTGTCTGCTCCTTATT
 AGGAGATGATGCCTTGGTGCAGGTCTATCCAGATGGCATTGCGCACATACGAGCAGACAA
 GAGAGTCAATGAGTGAAGACCCTGGAAAAGAAAACAATTGTGAAGTGTGCAGTGAACCA
 GCGACAAGTGGTATTGCCCTGACAGGAGGAGAGCTGGTCTATTCGAGATGGATCCTTC
 AGGACAGCTGAATGAGTACACAGAACGGAAGGAGATGTCAGCAGATGTGGTGTGCATGAG
 TCTGGCCAATGTACCCCTGGAGAGCAGCGGTCTCGCTTCTGGCTGTGGGGCTTGTGGA
 CAACACTGTCAGAATCATCTCCCTGGATCCCTCAGACTGTTTGC AACCTCTAAGCATGCA
 GGCTCTCCAGCCCAGCCTGAGTCTTGTGTATCGTGAAATGGGTGGGACTGAGAAGCA
 GGATGAGCTGGGTGAGAGGGGCTCGATTGGCTTCTATACCTGAAATATGGGCTACAGAA
 CGGTGTGCTGCTGAGGACTGTCTTGGACCCTGTCACTGGGGATTGTCTGATACTCGCAC
 TCGGTACTGGGGTCCCCTCTGTGAAGCTTCCGAGTCCGAATGCAAGGCCAGGAGGC
 AGTATTGGCCATGTCAAGCCGCTCATGGTTGAGCTATTCTTACCAATCTCGCTTCCATCT
 CACCCACTGTCTTACGAGACACTGGAATTTGCATCGGGTTTTGCCTCGGAACAGTGTCC
 CGAGGGCATTGTGGCCATCTCCACCAACACCCTACGGATTTTGGCATTAGAGAAGCTCGG
 TGCTGTCTCAATCAAGTAGCCTTCCCCTGACAGTACACACCCAGGAAATTTGTCAATCCA
 CCCTGAGAGTAACAACCTTATTATCATTGAAACGGACCACAATGCCTACACTGAGGCCAC
 GAAAGCTCAGAGAAAGCAGCAGATGGCAGAGGAAATGGTGAAGCAGCAGGGGAGGATGA
 GCGGGAGCTGGCCGACAGATGGCAGCAGCATTCTCAATGAAAACCTCCCTGAATCCAT
 CTTTGGAGCTCCCAAGGCTGGCAATGGGCAGTGGGCTCTGTGATCCGAGTGTGAATCC
 CATTCAAGGGAACACACTGGACCTTGTCCAGCTGGAACAGAATGAGGCAGCTTTTAGTGT
 GGCTGTGTGCAGGTTTTCCAACACTGGTGAAGACTGGTATGTGCTGGTGGGTGTGGCCAA
 GGACCTGATACTAAACCCCGATCTGTGGCAGGGGGCTTCGTCTATACTTACAAGCTTGT
 GAACAATGGGGAAAAAAGTGGAGTTTTTGCACAAGACTCCCTGTGGAAGAGGTCCCTGTGC
 TATTGCCCATTCAGGGGAGGGTGTGATTGGTGTGGGGAAGCTGTTGCGTGTCTATGA
 CCTGGGAAAGAAGAAGTTACTCCGAAAATGTGAGAATAAGCATATTGCCAATTATATCTC
 TGGGATCCAGACTATCGGACATAGGTAATTGTATCTGATGTCCAAGAAAGTTTCATCTG
 GGTTCGCTACAAGCGTAATGAAAACCAGCTTATCATCTTGTGATGATACCTACCCCCG
 ATGGGTCACTACAGCCAGCCTCCTGGACTATGACTGTGGCTGGGGCAGACAAGTTTGG
 CAACATATGTGTGGTGGGCTCCACCTAACACCAATGATGAAGTAGATGAGGATCTAC
 AGGAAACAAGCCCTGTGGGACCGTGGCTTGTCAATGGGGCCTCCAGAAAGGCAGAGGT
 GATCATGAACTACCATGTGCGGGAGACGGTGTCTTGCAGAAGACCACGCTGATCCC
 TGGAGGCTCAGAATCACTTGTCTATACCACCTTGTCTGGAGGAATTGGCATCCTTGTGCC
 ATTCACGTCCCATGAGGACCATGACTTCTTCCAGCATGTGAAATGCACCTGCGGTCTGA
 ACATCCCCCTCTCTGTGGGCGGGACCACCTCAGCTTTCGCTCCTACTACTTCCCTGTGAA
 GAATGTGATTGATGGAGACCTCTGTGAGCAGTTCAATTCATGGAACCCAACAACAAAA
 GAACGTCTCTGAAGAAGTGGACCGAACCCACCCGAAGTGTCCAAGAAACTCGAGGATAT
 CCGGACCCGCTACGCCTTCTGAGCCCTCCTTCCCGGTGGGCTTGCCAGAGACTGTGTG
 TTTTGTTCCTCCACCACCATCACTGCCACCTGGCTTCTGCCATGTGGCAGGAGGTGAC
 TGGATAATTAAGACTGCATTATGAAAGTCAACAGCTCTTCCCTCAGCTTCTCTCTGG
 AATGACTGGCTTCCCCTCAAATTGGCACTGAGATTTGCTACACTTCTCCACCTGGTAC
 ATGATACATGACCCAGGTTCCAGTGTAGAACCTGAGTCCCCATTCCCCAAAGCCATCC
 CTGCATTGATATGCTTACTCTCTGTCTACTTTTGCACACACCCTTAATTTTTAATTG
 GTTTTCTGTAAAAAATAAAAAAAAAAAAAA

Restriction Sites:

ECoRI-NOT

ACCN:

NM_012426

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).

| | |
|-------------------------------|---|
| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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: | NM_012426.3 , NP_036558.3 |
| RefSeq Size: | 4357 bp |
| RefSeq ORF: | 3654 bp |
| Locus ID: | 23450 |
| UniProt ID: | Q15393 |
| Cytogenetics: | 16q22.1 |
| Domains: | CPSF_A |
| Protein Pathways: | Spliceosome |
| Gene Summary: | This gene encodes subunit 3 of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence independent manner and may anchor the U2 snRNP to the pre-mRNA. Splicing factor 3b is also a component of the minor U12-type spliceosome. Subunit 3 has also been identified as a component of the STAGA (SPT3-TAF(II)31-GCN5L acetylase) transcription coactivator-HAT (histone acetyltransferase) complex, and the TFTC (TATA-binding-protein-free TAF(II)-containing complex). These complexes may function in chromatin modification, transcription, splicing, and DNA repair. [provided by RefSeq, Jul 2008] |