

Product datasheet for **SC107008**

SF3B14 (SF3B6) (NM_016047) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SF3B14 (SF3B6) (NM_016047) Human Untagged Clone
Tag:	Tag Free
Symbol:	SF3B14
Synonyms:	CGI-110; HSPC175; Ht006; P14; SAP14; SAP14a; SF3B14; SF3B14a
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107008 sequence for NM_016047 edited (data generated by NextGen Sequencing) ATGGCGATGCAAGCGGCCAAGAGGGCGAACATTGCACTTCCACCTGAAGTAAATCGGATA TTGTATATAAGAAATTTGCCATACAAAATCACAGCTGAAGAAATGTATGATATATTTGGG AAATATGGACCTATTCGTCAAATCAGAGTGGGAACACACCTGAAACTAGAGGAACAGCT TATGTGGTCTATGAGGACATCTTTGATGCCAAGAATGCATGTGATCACCTATCGGGATTC AATGTTTGTAAACAGATACCTTGTGGTTTTGTAATAATGCCAACAGGGCATTTCAGAAG ATGGACACAAAGAAGAAGGAGGAACAGTTGAAGCTTCTCAAGGAGAAATATGGCATCAAC ACAGATCCACCAAATAA Clone variation with respect to NM_016047.3



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016047 unedited</p> <pre> TTTGTATACGACTCACTATAGGCGGCCCGCAATTCGCACGAGGCCAGCTCACCGCCTT GCTCAGGCCCGGCTCCCTCCCGGATACTCACTTGGGCCCCACCCAGCTCTCCGCACCCT CCTCAGGCCCGCCCTCCCGTACTCACCTGGGTCCC GCCCTACCTGTATAACCCCTG CTCAAGCCCCGCCTCCTCCGCTCCCACTACTCACCTGAGACCCGCCAGCTCTCCGC CCTCCTCAGGCCCGCCCTCTCCACCCGGGTTCTCTGCTCAGGGCTCCCCGACCGGAA CATCTCGCCTTTTGGAGGCTACGCCCGCCCTTACGGTACAGAGCCCGGAAGTGTCTTG GACTCTCGCCTTTCCATCTTCCGCTCGAGTCTCGCTCAGGCTCGGTTTTACCCCGGAG TCTATTGAAAGGGGCTGCTACGTACGCGCTCTCAGCGTAAGACGGCGCTATTCCGCTG TAACAGCTTCCGGCGGGTCTGGATGTTGATGTCTGCATCTAACCGGGTGAACCCCGG AAGCCGAGCGAGCTCCGGAGGAATTTAGTATCTGCTACGGTAACTTCATCAGCCGCCA AGATGGCGATGCAAGCGGCAAGAGGGCGAACATTCGACTTCCACCTGAAGTAAATCGGA TATTGTATATAAGAAATTTGCCATACAAAATCACAGCTGAAGAAATGTATGATATATTTG GGAAATATGGACCTATTCGTCAAATCAGAGTGGGGAACACACCTGAAACTAGAGGAAACA GCTATGTGGTCTATGAGGACATCTTTGATGCCAAGATGCATGTGATCACCTATCGGNATT CAATGTTGTAACAGATACCTGNGGGTTTGTACTATAT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_016047 unedited</p> <pre> GCGGCACGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTACACAAAAGCTACAAGTT TATTAACATAATGTATTCCAATATGTATCAAAGTTTCAAGCAGGTCATTTGAACCTCAA ATAAGAAATCACAAATATTTAGTATTAATTAAGGAAAAAAGGTGGTAGTTGTCATTC GTGGGATTTAGTCCAAATGAAAATGTAGAAAACATTTATTTTGGTGGATCTGTGTTGATG CCATATTTCTCCTTGAGAAGCTTCAACTGTTCCCTCTTCTTTGTGTCCATCTTCTGA AATGCCCTGTTGGCATTATAGTACAAAACCACAAGGTATCTGTTACAAACATTGAATCCC GATAGGTGATCACATGCATTCTTGGCATCAAAGATGTCCTCATAGACCACATAAGCTGTT CCTCTAGTTTCAGGTGTGTTCCCACTCTGATTTGACGAATAGGTCCATATTTCCAAAT ATATCATACATTTCTTACGCTGTGATTTTGTATGGCAAATTTCTATATACAATATCCGA TTTACTTCAGGTGGAAGTCGAATGTTCCGCCCTCTTGGCCGCTTGCATCGCCATCTTGGCG GGCTGATGAAGTTACCGTAGCAGATACTGAAATTCCTCCGGAGCTCGCTCGGCTTTCGGG GTTACACCGCGTTAGATGCAGGACATCAACATCCAGGACCCGCCGGAAGCTGTTACAGCC GTATAGCGCCGTTACGCTGAGACCCGCTGACGTACCAACCCCTTTCAATATACTCCG GGGTAACCGCACCTTGACCATAATCGNAGCCCGAAAATTGTAAGCCGATATTCCAAG ACACTCTCCGGCTCTGTACCGTAAAGGGCCGGCGGTATCCTCAAAGCCAAAATGTTCCG GCCGGAAGCCCTCGACCAAGTACCCGGTGGAAAGCGGGCCTAAGAGGCGAAATCTGGCC GCTCTAATAT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016047
Insert Size:	1070 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:

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_016047.3](#), [NP_057131.1](#)

RefSeq Size: 783 bp

RefSeq ORF: 378 bp

Locus ID: 51639

UniProt ID: [Q9Y3B4](#)

Cytogenetics: 2p23.3

Domains: RRM

Protein Pathways: Spliceosome

Gene Summary: This gene encodes a 14 kDa protein subunit of the splicing factor 3b complex. Splicing factor 3b associates with both the U2 and U11/U12 small nuclear ribonucleoprotein complexes (U2 snRNP) of spliceosomes. This 14 kDa protein interacts directly with subunit 1 of the splicing factor 3b complex. This 14 kDa protein also interacts directly with the adenosine that carries out the first transesterification step of splicing at the pre-mRNA branch site. [provided by RefSeq, Jul 2008]