

## Product datasheet for **SC107691**

### SF3B5 (NM\_031287) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SF3B5 (NM_031287) Human Untagged Clone
Tag:	Tag Free
Symbol:	SF3B5
Synonyms:	SF3b10; Ysf3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107691 sequence for NM_031287 edited (data generated by NextGen Sequencing)

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ATGACTGACCGCTACACCATCCATAGCCAGCTGGAGCACCTGCAGTCCAAGTACATCGGC
ACGGGCCACGCCGACACCACCAAGTGGGAGTGGCTGGKGAACCAACCCGCGACTCGTAC
TGCTCCTACATGGGCCACTTCGACCTTCTCAACTACTTCGCCATTGCGGAGAATGAGAGC
AAAGCGCGAGTCCGCTTCAACTTGATGGAAAAGATGCTTCAGCCTTGTGGACCGCCAGCC
GACAAGCCCGAGGAGAACTGA
```

Clone variation with respect to NM\_031287.2  
98 t=>k

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_031287 unedited CACGAGGGTTACCTGCGTCTCTGACCTGAGAGCGAAGGGGAAAGCGGCGAGATGACTGA CCGCTACACCATCCATAGCCAGCTGGAGCACCTGCAGTCCAAGTACATCGGCACGGGCCA CGCCGACACCACCAAGTGGGAGTGGCTGGTGAACCAACCCGCGACTCGTACTGCTCCTA CATGGGCCACTTCGACCTTCTCAACTACTTCGCCATTGCGGAGAATGAGAGCAAAGCGCG AGTCCGCTTCAACTTGATGGAAAAGATGCTTCAGCCTTGTGGACCGCCAGCCGACAAGCC CGAGGAGAACTGAGACTCTGCCTTACCACCGCAGTGGGGGCACCTCTCCAGCGTTTCT CCGTTTTGCCAATCCTCTTAAGTATTCTGTCTCAAAGGACCGCTCTCCATGGCTCCT GCGCCTCGTGCTTCCGCGTACAGAAGTCTTGCCCGGGAGTCCCGCCTGACCTGCCTT CATGTGGACCCTTAGAACAGCACTGGGAGACCAGCAGGACTCCTGAGAACTGTGCTGGT GAGAGGTCTAGAGCCGGCGAGCGTTTGGAGAAGAGGGCATGGCGCTGGAGTGAGATGGGA TTTGGCGTCTCGTTTTGGCTAATTGATTGTCATTGGCTTTTTCCATANAGTT
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**Gene Summary:**

Involved in pre-mRNA splicing as a component of the splicing factor SF3B complex, a constituent of the spliceosome (PubMed:27720643, PubMed:28781166). SF3B complex is required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA. Sequence independent binding of SF3A/SF3B complex upstream of the branch site is essential, it may anchor U2 snRNP to the pre-mRNA (PubMed:12234937).[UniProtKB/Swiss-Prot Function]