

## Product datasheet for **MC206491**

### Sf3b5 (BC006603) Mouse Untagged Clone

#### Product data:

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | Expression Plasmids                   |
| Product Name:             | Sf3b5 (BC006603) Mouse Untagged Clone |
| Tag:                      | Tag Free                              |
| Symbol:                   | Sf3b5                                 |
| Synonyms:                 | 10kDa, Sf3b10                         |
| Mammalian Cell Selection: | Neomycin                              |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)               |
| E. coli Selection:        | Kanamycin (25 ug/mL)                  |

**Fully Sequenced ORF:** >BC006603  
AGACTGTCTACTCCTGCGTCTCGGTGGCGTCTTTCTCCCGCCCTGCACGAACTGAGGTTTTGCGTGGCG  
GCGGCGGCACCGCAGCGCAGCGTCTCTCACTTGAACGCGCGAGCGGAGCTTCTCGTCTGTGTCTG  
ACCTCGGAGCCTACGAGCAGAGCGGCGGATGACGGACCGGTACACCATCCACAGCCAGCTGGAGCATCT  
GCAGTCCAAGTACATCGGCACGGCCACGCCGACACCACCAAGTGGGAATGGCTGGTGAACCAGCACCGC  
GACTCCTACTGCTCCTACATGGGCCACTTCGACCTCCTCAACTACTTCGCCATTGCCGAGAACGAGAGCA  
AAGCCCGGTGCGGTTCAACCTGATGGAGAAAATGCTGCAGCCAGCGGGCCGCCGCGGACAAGCCCGA  
GGAGAAGTGAAGCGAGCGCTGCCAGTCTTCCCGTGTGCCGGCTGCGAGCCTCCTTGCTCCTGCATCTC  
GACCATTCGGTGTGGCTGTATCGCCTGACCTGCGTACCTGTGGAGGATTCGGAACAAGTCATGGAGAGA  
CTGTCCGGTCCGCTCCTTGTGAAGTGTGCAGAGGAGTATCCAGCATCGGCAAGCGAGGAGAAAGAC  
TGCACGAGAGTATGGCGCATTTGAGTCTGCTTTTCGATAGTTGATGTCTTCTTGCCTTTTTAAAAAAC  
CACATATATATAAAAAAAAAAAAAAAAAA

|                    |  |
|--------------------|--|
| Restriction Sites: | EcoRI-NotI   |
| ACCN:              | BC006603   |
| Insert Size:       | 261 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).   |



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**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:** [BC006603](#), [AAH06603](#)

**RefSeq Size:** 727 bp

**RefSeq ORF:** 261 bp

**Locus ID:** 66125

**Cytogenetics:** 10 A2

**Gene Summary:** Involved in pre-mRNA splicing as a component of the splicing factor SF3B complex, a constituent of the spliceosome. 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.[UniProtKB/Swiss-Prot Function]