

## Product datasheet for **MC205619**

### Sf3b3 (NM\_133953) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sf3b3 (NM_133953) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sf3b3
Synonyms:	1810061H24Rik; 5730409A01Rik; AA409318; D8Ertd633e; mKIAA0017; RSE1; SAP130
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC011412

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CGGACGCGTGGGCGGACGCGTGGGCGCCGGCGGATCGGCAGTGGCGGTGGCTTAGGCCTGAAGCGATTC
AGCATCCGTCGGGTACCGAAGCCATCCTTCTTGCAGCAGGTCTGCTTTGCCTTGAACCGTTGCTGTAAC
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AGTGAACCAGCGACAAGTGGTGATCGCCCTGACTGGGGGAGAGCTGGTCTATTTTCGAGATGGATCCTTCA
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TTTTAAGGTGAAAAAAAAAAAAAAAAAAAAA
    
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**Restriction Sites:**

RsrII-NotI

**ACCN:**

NM\_133953

**Insert Size:**

3654 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:** [BC011412](#), [AAH11412](#)

**RefSeq Size:** 4299 bp

**RefSeq ORF:** 3654 bp

**Locus ID:** 101943

**UniProt ID:** [Q921M3](#)

**Cytogenetics:** 8 57.73 cM

**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. May also be involved in the assembly of the 'E' complex. Belongs also to the minor U12-dependent spliceosome, which is involved in the splicing of rare class of nuclear pre-mRNA intron.[UniProtKB/Swiss-Prot Function]