

## Product datasheet for **RN208102**

### **Sf3a2 (NM\_001011986) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sf3a2 (NM_001011986) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sf3a2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN208102 representing NM\_001011986  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACTTTCAGCACCGACTGGAGGCAAACTGGGAGTGGGGCGTGGCCTCCTCCTCAGAGAGCAACC  
 GGGATCGAAGAGAGCGCCTGCGGCAACTGGCCCTGGAAACCATCGACATCAATAAGGACCCGTATTTTCAT  
 GAAGAACCACCTGGGATCCTATGAGTGCAAACCTGCTTGACTCTGCATAACAATGAGGGGAGCTACCTG  
 GCCCATACCCAAGGGAAGAAACATCAGACTAACTTGGCCCGGCGAGCTGCCAAGGAGGCCAAAGAAGCCC  
 CCGCCAGCCTGCACCAGAGAAGGTCAAGGTGGAGGTGAAGAAGTTTGTGAAGATTGGCCGCCCTGGCTA  
 CAAAGTGACCAAGCAGAGGGACACAGAGATGGCCAGCAGAGCCTACTGTTCCAGATTGACTACCTGAG  
 ATTGCAGAGGGTGTATGCCCGCCACCGCTTCATGTCTGCCTATGAGCAGAGGATCGAGCCCCGGACC  
 GCCGCTGGCAGTACCTCCTCATGGCTGCTGAGCCCTATGAGACCATCGCCTTCAAGGTGCCGAGCCGCGA  
 GATCGACAAGGCTGAGGGCAAGTTTGGACCCACTGGAACCGAGAGACCAAGCAGTTTTTTCTTCAGTTC  
 CACTTTAAGATGGAGAAGCCCCAGCCCCCTCCAGCCTCCAGCAGGACCCCGAGGGCTCAAGCGGCCCC  
 CGCCCCACTCATGAACGGACTACCTCCTCGCCACCCTCCCTGATGCCTTGCCCCACCTCCACCTGG  
 TGGCCTGCCTCTTCTCCTATGCCCCCACTGGGCCTGCTCCCTCTGGGCCCCCTGGACCTCCCCAGATG  
 CCCCCACAGCTCCTGGGTACACCCCCAGCCCCAGTAGTACACCCACCAACATCTGGGGTCCATCCCC  
 CAGCTCCTGGGGTGACCCCCAGCCCCAGTGGTTCATCCACCAACATCTGGGGTCCATCCCCAGCTCC  
 TGGGGTCCATCCTCCAGCCCCGGAGTGACCCCTCCAGCCCCGGAGTGACCCACCAGCCCCGGGGT  
 CACCCCCAGCTCCAGGGGTCCACCCCCAGCTCCAGGGGTCCACCCCCAGCTCCAGGGGTCCACCCCC  
 CAGCTCCAGGGGTCCACCTCCTCCATCAGTGGAGTTCATCCTCAGGCTCCAGGGGTGCATCCACCTGC  
 TCCTGCAGTCCACCTCAAGCCCTGGTGTACACCCCCAGCTCCTGGGATCCACCTCAGGCACCAGGG  
 GTGACCCCCAGCCTCCTCCTGGAGTCCACCTGCTGCCAGGGGTCCATCCTCAGCCTCCAGGGGTTC  
 ACCCTACTCCTATGCCCCCATGCTAAGGCCCCCTTCCTCGGATGGCCCTGGGAACATGCCTCCGCC  
 TCCCCAGGCAACTGA

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001011986
- Insert Size:** 1416 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\\_001011986.1](#), [NP\\_001011986.1](#)

RefSeq Size: 1633 bp

RefSeq ORF: 1416 bp

Locus ID: 299620

UniProt ID: [Q6AXT8](#)

Cytogenetics: 7q11

**Gene Summary:** Involved in pre-mRNA splicing as a component of the splicing factor SF3A complex that contributes to the assembly of the 17S U2 snRNP, and the subsequent assembly of the pre-spliceosome 'E' complex and the pre-catalytic spliceosome 'A' complex. Involved in pre-mRNA splicing as a component of pre-catalytic spliceosome 'B' complexes, including the Bact complex. Interacts directly with the duplex formed by U2 snRNA and the intron.  
[UniProtKB/Swiss-Prot Function]