

Product datasheet for **RN206907**

Sf3b4 (NM_001011951) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sf3b4 (NM_001011951) Rat Untagged Clone
Tag: Tag Free
Symbol: Sf3b4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN206907 representing NM_001011951
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGCCGGACCGATCTCCGAACGGAATCAGGATGCCACGGTGTACGTGGGAGGTCTAGACGAGAAA
 TGAGCGAGCCACTGCTATGGGAGCTCTTCTCCAGGCAGGGCCAGTGGTCAACACCCACATGCCAAAGGA
 TAGAGTCACTGGCCAGCACCAAGGCTATGGCTTTGTTGAATCTTGAGTGAGGAAGATGCTGACTATGCC
 ATTAAGATTATGAACATGATCAAACCTCTATGGGAAGCCAATACGGGTGAACAAAGCCTCGGCTCACAA
 AAAACCTGGATGTAGGAGCCAACATTTTCATTGAAATCTGGACCCAGAAATTGATGAGAAGTTGCTTTA
 CGATACTTTTAGCGCCTTTGGAGTCATCTTACAGACCCCAAGATTATGCGGGACCCTGACACAGGCAAC
 TCCAAGGGTTACGCCTTCATTAATTTTGCTTCATTTGATGCTTCAGATGCAGCAATTGAGGCCATGAATG
 GGCAGTACCTGTGAACCGCCCTATCACTGTGTCTTATGCCTTCAAGAAGGACTTAAGGGTGAACGACA
 TGGCTCAGCAGCTGAACGACTTCTGGCAGCCCAGAACCCGCTGTCTCAGGCTGACCGCCCTCATCAGCTG
 TTTGCCGATGCACCCCTCCACCCTCTGCCCAATCCTGTGGTTTCATCCCTGGGTTCTGGGCTTCCTC
 CACCAGGAATGCCACCTCCTGGTTCGTTCCACCTCCAGTGCCACCTCCTGGGGCCCTTCTCCTGGGAT
 ACCCCCAGCAATGCCCCACCACCTATGCCACCTGGGGCTGGAGGACATGGTCCCCAGCAGCAGGAACT
 CCAGGGGCTGGACATCCTGGTATGGACATTCACATCCTCATCCATTCACCAGGTGGGATGCCCCATC
 CAGGGATGTCCCAGATGCAGCTGGCCACCATGGCCCCATGGCCTAGGACACCCCATGCTGGGCTCC
 AGGCTCTGGAGGGCAGCCACCACCCGACCACCCCTGGAATGCCTCATCCTGGACCACCTCCGATGGGC
 ATGCCTCCCCGAGGGCTCCTTTTGATCTCCATGGGTACCCAGGTCCCATGCCTCCACACGGTATGC
 GTGGGCTCCTCCATTGATGCCCTCATGGATACACCGGTCTCCGAGACCCCTCCCTATGGCTACCA
 GCGGGGACCCCTCCCTCCACCCAGACCCACTCCACGGCCCCAGTTCCTCCTCGTGGTCCACTTCGGGGC
 CCACTTCCTCAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001011951
Insert Size:	1275 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:	<ol style="list-style-type: none">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:	<u>NM_001011951.1</u> , <u>NP_001011951.1</u>
RefSeq Size:	1565 bp
RefSeq ORF:	1275 bp
Locus ID:	295270
UniProt ID:	<u>Q6AYL5</u>
Cytogenetics:	2q34
Gene Summary:	Involved in pre-mRNA splicing as a component of the splicing factor SF3B complex. 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. SF3B4 has been found in complex 'B' and 'C' as well. 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]