

## Product datasheet for **MR206765**

### **Sf3b4 (NM\_153053) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sf3b4 (NM_153053) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sf3b4
Synonyms:	49kD; Sa; Sap49; SF3b49; SF3b50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR206765 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGCCGGACCGATCTCCGAACGGAATCAGGATGCCACGGTGTACGTGGCGGTCTGGACGAGAAAG  
 TGAGTGAGCCGCTGCTGTGGGAGCTCTTCTCCAGGCAGGGCCAGTGGTCAACACCCACATGCCAAGGA  
 CAGAGTACTGGCCAGCACAGGGCTATGGCTTTGTTGAATTCCTGAGCGAGGAAGATGCCGACTATGCC  
 ATTAAGATTATGAACATGATCAAACCTCTATGGAAGCCAATACGGGTGAACAAGGCCTCAGCTCACAAACA  
 AAAACCTGGATGTGGGAGCCAACATTTTCATTGGAAATCTGGACCCAGAAATTGATGAAAAGCTGCTTTA  
 CGATACTTTCAGCGCCTTTGGAGTCATCTACAGACCCCAAGATCATGCCGGACCCTGACACAGGCAAC  
 TCCAAGGTTACGCCTTCATTAATTTGCCTCCTTCGATGCTTCGGATGCAGCAATTGAGGCCATGAACG  
 GGCAGTACCTGTGAACCGTCTATCACTGTGTCTTATGCCTCAAGAAGGACTTAAGGGTGAACGCCA  
 TGCTCAGCAGCTGAAAGACTCCTGGCAGCCCAGAACCCTGTCCAGGCTGACCGCCCTCACCAGCTG  
 TTTGCCGATGACCCCTCCGCCCTCTGCCCAATCCCGTGGTTTCATCCCTGGGTTCTGGGCTTCTCTC  
 CACCAGGCATGCCGCCTCCTGGCTCTTTCCACCTCCAGTGCCACCTCCTGGGGCCCTCCCTCCTGGGAT  
 TCCCCAGCCATGCCCCACCACCTATGCCACCTGGGGCTGGAGGACATGGCCCCCAGCAGCAGGGACT  
 CCAGGGGCTGGACATCCCGGTCACGGACTCACATCCTACCCGTTCCACCAGGTGGGATGCCCATC  
 CAGGGATGTCCAGATGCAGCTGGCCACCATGGCCCCATGGCTAGGACACCCCATGCTGGGCTCC  
 GGGCTCTGGGGGGCAGCCACCACCTCGGCCACCTCCTGGAATGCCTCATCCTGGACCTCCTCAAATGGGC  
 ATGCCCCCCGAGGGCTCCTTTTGATCTCCCATGGGTACCCAGGTCCCATGCCTCCACACGGCATGC  
 GTGGGCTCCTCATTGATGCCCTCATGGATACACGGGTCTCCAAGACCCCTCCCTATGGTACCA  
 GCGGGGGCCCTCCGCCACCCAGCCACTCCACGGCCCCAGTCCACCTCGTGGTCTCTTCGGGGC  
 CCACTTCTCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR206765 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAGPISERNQDATVYVGGLEKLVSEPLLWELFLQAGPVVNTHMPKDRVTGQHQQYGFVEFLSEEDADYA  
 IKIMNMIKLYGKPIRVNKASAHNKNLDVGANIFIGNLDPEIDEKLLYDTFSAFGVILQTPKIMRDPDTGN  
 SKGYAFINFASFDASDAIEAMNGQYLCNRPITVSYAFKKDSKGERHGSAAERLLAAQNPLSQADRPQL  
 FADAPPPPSAPNPVVSSLGSLPPPGMPPPGSFPPPVPPGALPPGIPPAMPPPPMPGAGGHGPPAAGT  
 PGAGHPGHGSHPHFPFPPGMPHPGMSQMLAHHGPHGLGHPHAGPPGSGGQPPRPPPGMPHPGPPPMG  
 MPPRGPPFSPMGHPGMPHPGMRGPPPLMPPHYGTGPPRPPPYQGRPLPPRPTPRPPVPRGFLRG  
 PLPQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_153053

**ORF Size:** 1275 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_153053.4](#), [NP\\_694693.1](#)

**RefSeq Size:** 1697 bp

**RefSeq ORF:** 1275 bp

**Locus ID:** 107701

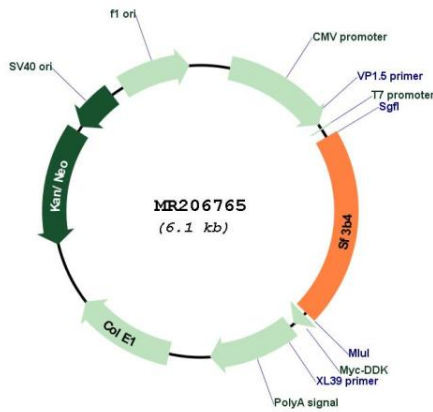
**UniProt ID:** [Q8QZY9](#)

**Cytogenetics:** 3 F2.1

MW: 44.4 kDa

Gene Summary: This gene encodes one of the subunits of splicing factor 3B. A similar gene in human encodes a protein that cross-links to a region in the pre-mRNA immediately upstream of the branchpoint sequence in pre-mRNA in the prespliceosomal complex A. It also may be involved in the assembly of the B, C and E spliceosomal complexes, and also belongs with the minor U12-dependent spliceosome. [provided by RefSeq, May 2015]

Product images:



Circular map for MR206765