

## Product datasheet for **MR211044**

### Sf3b2 (NM\_030109) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sf3b2 (NM_030109) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sf3b2
Synonyms:	145kDa; 2610311M13Rik; 2810441F20Rik; B230398H18Rik; SAP145; SF3b1; SF3b145; SF3b150
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR211044 representing NM\_030109  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGGGAGCATCCCGAACCTCCAAAGGAGAGTTGCAGTTGCCACCGCCTCCACCTCCAGGCCACT  
 ATGGAGCCTGGGCTGCGCAGGAGCTTACAGCCAGATTGGCAGAGATAGGAGCGCCGATCCAGGGGAGTCG  
 CGAGGAGTTAGTAGAGCGGCTGCAGACCTACACCCGTACAGACGGCATTGTCTGAATCGACCAGTTTTG  
 AGAGGAGAAGATGGGGACAAAGCGGCTCCTCCTCTATGTGAGCAGAGCTGTCTGGGATTCTATGCCAC  
 CACCACCTATGGGACTTCCCCTCTACAGCCTCCTCCACCACCTCCACCACCTCCACCAGGCCTTGGCCT  
 TGGCTTTCCTATGGCTCACCCACCAAATCTGGGGCCCCACCACCTCTTCGAGTGGGTGAGCCTGTGGCG  
 CTGTGAGAAGAAGAACGGCTGAAGCTGGCACAGCAGCAGGAGCTTTGCTGATGCAGCAAGAGGAGCGTG  
 CCAAGCAGGCAGCTGTGTTAATGGAGCAGGAACGGCAGCAGGAGATCGCCAAGATGGGCACTGCAGTCCC  
 TCGGCCGCTCAGGATATGGGGCAGCTGGGTGTCGACTCCTCTGGGGCCTCGGTAGCTGCTCCAGTA  
 GGCCCTGTGGTTCCACGCCTACGGTTTTGCCATGGGGGCACCTGTTCCTCGCCCTCGGGTCCCCCC  
 CACCCCTGGAGATGAGAACAGAGAGATGGATGATCCTTCTGTGGGCCCAAGATCCCCAGGCTTTGGA  
 AAAGATTCTTCAGCTGAAGGAGAGCCGGCAGGAAGAGATGAAGTCTCAGCAGGAGGAGGAGAAATGGAG  
 ACAGATACTCGCTCATCTCTGGGACAGTCAGCATCAGAGACTGAGGAGGACACGGTGTCCATATCCAAAA  
 AAGAGAAAAACCGAAAGCGTCGGAACCGAAAGAAGAAGAAAAAGCCACAGCGGGTGCGGGACGCCTCATC  
 AGAGAGCTCTGGGACCGAGAGAAGGACTCCGGTCCGTCGGCGGCTCGGACCCCTGCTGCTGACGTG  
 GAGATTGAGTATGTGACCGAGGAGCCTGAGATCTACGAGCCCAATTTTCATCTTCTCAAGAGGATTTTTG  
 AGGCTTTCAGCTAACTGATGATGTGAAGAAGGAAAAAGAAAGGAGCCAGAGAAGCTTGACAAGATGGA  
 GAGCTCTGCAGTCCCAAGAAGAAGGGCTTTGAGGAGGAGCACAAGGACAGTGACGATGACAGCAGTGAT  
 GATGAGCAGGAAAAAGCCGGAAGCCCTAAACTGTGCAAGAAGAAGTTGCGCCGAATGAATCGTTTTTA  
 CTGTGGCAGAACTCAAGCAGCTGGTGGCCCGCCTGATGTTGTGGAGATGCATGACGTGACGGCACAGGA  
 CCCAAGCTCTTGGTCCACCTCAAGGCCACCCGAACTCCGTCCCTGTGCCACGCCACTGGTGTTTAAAG  
 CGCAAGTACCTTCAAGGCAAACGGGCAATTGAGAAGCCCCCTTTGAGCTGCCAGACTTCATCAAACGCA  
 CAGGCATTCAGGAAATGAGAGAGGCCCTGCAGGAGAAGGAAGAACAAAAAACCATGAAGTCAAAATGAG  
 AGAGAAGTTTCGGCCGAAGATGGGAAGATCGACATTGACTACCAGAAGCTACACGATGCCTTCTCAAG  
 TGGCAGACCAAGCCGAAACTCACCATCCATGGGGACCTTTATTATGAGGGGAAGGAGTTTGAGACACGGC  
 TGAAGGAGAAGAAGCCTGGAGATTTATCTGATGAGCTAAGGATTTCTTAGGAATGCCAGTAGGACCTAA  
 TGCCACAAAAGTCCCTCCTCCGTGGCTGATTGCCATGCAGCGATACGGGCCACCCCATCTACCCAAAC  
 CTGAAAATCCCTGGACTGAATTCACCTATCCCTGAGAGCTGCTCCTTTGGATACCATGCTGGTGGCTGGG  
 GCAAACCCCAAGTGGATGAGACTGGGAAGCCGCTCTATGGGGACGTGTTTGAACCAATGCTGCTGAGTT  
 TCAGACCAAAACGGAAGAAGAAGAAATGACCGGACCCGTGGGGGAACTGGAACCATCTGATGAAGAA  
 TCCTCAGAAGAGGAGGAGGAGGAGGAAAGCGATGAAGACAAGCCAGATGAGACTGGCTTCATCACACCTG  
 CAGACAGCGCCCTCATCACTCCCGGAGGATTCTCATCCGTGCCAGCTGGGATGGAGACCCCTGAACTCAT  
 TGAGCTGAGGAAGAAGAAGATCGAAGAGCGGATGGATGGAAGTGAGACACCTCAGTTATTCACTGTATTG  
 CCAGAGAAGAGAACAGCCACTGTTGGGGAGCCATGATGGGATCCACCCACATTTATGACATGTCCACGG  
 TTATGAGCCGGAAGGGCCAGCCCTGAATTGCAAGGTGTGGAAGTAGCGCTGGCGCTGAGGAATTGGA  
 GTTGGACCCATGGCCATGACGCAGAAGTACGAGGAGCACGTTTCGGGAGCAGCAGGCACAAGTAGAGAAG  
 GAAGACTTCAGCGACATGGTGGCTGAGCATGCTGCTAAGCAGAAGCAAAAGAAACGGAAAGCTCAGCCCC  
 AGGACAGCGTGGGGCAGCAAGAAATACAAGGAGTTCAAATTT

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211044 representing NM\_030109  
 Red=Cloning site Green=Tags(s)

MAAEHPEPPKGE LQLPPPPPPGHYGAWAAQELQARLAEIGAPIQGSREELVERLQTYTRQTGIVLNRPV L  
 RGEDGDKAAPPPMSAQLSGIPMPPPMGLPPLQPPPPPPPPGLGLGFPMAHPPNLGPPPLRVGEPVA  
 LSEEERLKLAAQQQAALLMQQEERAKQA AVLMEQERQEI AKMGTAVPRPPQDMGQLGVRTPLGPRVAAPV  
 GPVVPTPTV LPMGAPVPRPRGPPPPPGDENREMDDP SVGPKIPQALEKILQLKESRQEEMNSQEEEEEME  
 TDRSSLGQSASETEEDTVSISKKEKNRKRNRK KKKKPKQVRRAASSESSGDREKDSGRSRGSDPPAADV  
 EIEYVTEPEIYEPNFIFFKRIFFAFKLTD DVKKEKEKEPEKLDKMESSAVPKKKGFEEHKDSDDDSSD  
 DEQEKKPEAPKLSKKLRRMNRFTVAELKQLVARPDV VEMHDVTAQDPKLLVHLKATRN SVVPRHWCFK  
 RKYLQGKRGIEKPPFELPDFIKRTGIQEMREALQEKEEQKTMKSKMREKVRPKMGKIDIDYQKLHDAFFK  
 WQTKPKLTIHGDLYYEGKEFETRLKEKKPGDLSDEL RISLGMPVGPNAHKVPPPWL I AMQRYGPPPSYPN  
 LKIPGLNSPIPESCSFGYHAGGWGKPPVDE TGKPLYGDFGTNAAEFQTKTEEEEIDRTWPGELEPSDEE  
 SEEEEEEESDEKDPDETFITPADSGLITPGGFSSVPAGMETPELIELRKKKIEEAMDGETPQLFTVL  
 PEKRTATVGGAMMGSTHIYDMSTVMSRKGPAPELQGV E VALAPEELELDPMAMTQKYEEHVREQQAVEK  
 EDFSDMVAEHA AKQKQKRKAQPQDSRGGSKYKEFKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mm9047\\_h12.zip](https://cdn.origene.com/chromatograms/mm9047_h12.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

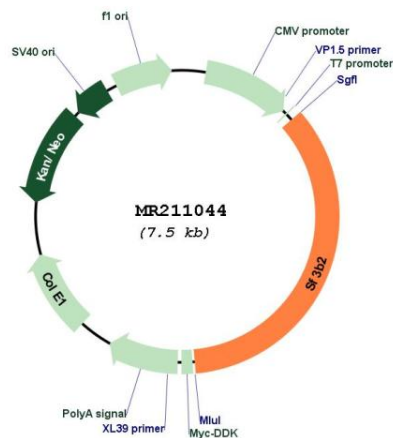
Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

<b>ACCN:</b>	NM_030109
<b>ORF Size:</b>	2634 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_030109.2</a> , <a href="#">NP_084385.2</a>
<b>RefSeq Size:</b>	3249 bp
<b>RefSeq ORF:</b>	2637 bp
<b>Locus ID:</b>	319322
<b>Cytogenetics:</b>	19 A
<b>MW:</b>	98.6 kDa

**Product images:**



Circular map for MR211044