

## Product datasheet for **MC226342**

### Scn3b (NM\_001083917) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Scn3b (NM\_001083917) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Scn3b  
**Synonyms:** 1110001K16Rik; 4833414B02Rik; Scnb3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226342 representing NM\_001083917  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCTGCCTTCAACAGATTGCTCCCCTAGCTTCTCTAGTGCTCATCTACTGGGTGAGTCTGCTTCC  
CTGTGTGTGTAAGTACCCTCGGAGACAGAAGCCGTCAGGGCAATCCATGAAGCTGAGATGCATCTC  
CTGCATGAAGAGGGAGGAGGTGGAGGCCACCACTGTAGTGGAGTGGTTCTACAGGCTGAGGGCGTAAA  
GATTTCTTATATAGTATCGAAATGGCCACCAGGAGGTGGAGAGCCCTTCCAAGGTCGTCTGCACT  
GGAATGGGAGCAAAGACCTGCAGGACGTATCCATCACTGTTCTCAATGTCACTCTGAATGACTCTGGCT  
CTACACATGTAATGTGTCCAGGGAGTTTGTGATTCGAAGCACACCGGCCCTTTGTGAAGACCAAGACTA  
ATACCCCTGCGAGTCACTGAAGAGGCGGGAGAAGACTTCACTCCGTGGTCTCGGAAATCATGATGTACA  
TCCTCTGGTCTTCTCACCTTGTGGCTGTTTATTGAGATGATCTATTGCTACAGAAAGGTCTCTAAGGC  
CGAAGAGGCAGCTCAGGAAAATGCGTCTGACTACCTTGTCTATCCCTTCAGAGAACAAAGGAGAACTCTGTG  
GTACCCGTGGAGGA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001083917  
**Insert Size:** 648 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001083917.1</a></u> , <u><a href="#">NP_001077386.1</a></u>
<b>RefSeq Size:</b>	4177 bp
<b>RefSeq ORF:</b>	648 bp
<b>Locus ID:</b>	235281
<b>UniProt ID:</b>	<u><a href="#">Q8BHK2</a></u>
<b>Cytogenetics:</b>	9 A5.1
<b>Gene Summary:</b>	<p>Modulates channel gating kinetics. Causes unique persistent sodium currents. Inactivates the sodium channel opening more slowly than the subunit beta-1. Its association with NFASC may target the sodium channels to the nodes of Ranvier of developing axons and retain these channels at the nodes in mature myelinated axons (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 3' UTR, compared to variant 2. Variants 2, 3 and 5 encode the same protein (isoform a).</p>