

Product datasheet for **MC226076**

Scn3b (NM_001286614) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Scn3b (NM_001286614) 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: >MC226076 representing NM_001286614
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTGAGATGCATCTCCTGCATGAAGAGGGAGGAGGTGGAGGCCACCACTGTAGTGGAGTGGTTCT
ACAGGCCTGAGGGCGGTAAGATTTCTTATATATGAGTATCGAAATGGCCACCAGGAGGTGGAGAGCCC
CTTCCAAGGTCGTCTGCAGTGAATGGGAGCAAAGACCTGCAGGACGTATCCATCACTGTTCTCAATGTC
ACTCTGAATGACTCTGGCCTCTACACATGTAATGTGTCCAGGGAGTTTGAGTTCGAAGCACACCGGCCCT
TTGTGAAGACCACAAGACTAATACCCCTGCGAGTCACTGAAGAGGCGGGAGAAGACTTCACCTCCGTGGT
CTCGGAAATCATGATGTACATCCTCCTGGTCTTCTCACCTTGTGGCTGTTTATTGAGATGATCTATTGC
TACAGAAAGGTCTTAAGGCCGAAGAGGCGAGCTCAGGAAAATGCGTCTGACTACCTTGCTATCCCTTCAG
AGAACAAGGAGAACTCTGTGGTACCCGTGGAGGA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001286614
Insert Size: 528 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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001286614.1</u> , <u>NP_001273543.1</u>
RefSeq Size:	4173 bp
RefSeq ORF:	528 bp
Locus ID:	235281
UniProt ID:	<u>Q8BHK2</u>
Cytogenetics:	9 A5.1
Gene Summary:	<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 (4) uses an alternate 5' splice site, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 2. It encodes isoform b, which has a shorter N-terminus, compared to isoform a.</p>