

Product datasheet for **RN215977**

Scn1b (NM_001271046) Rat Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Scn1b (NM_001271046) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Scn1b |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >RN215977 representing NM_001271046 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCTTCAAAATCCTGTGTATCTCCTGTAAGCGTCGTAGTGAGACCACCGCCGAGACCTTCACGGAGT
GGACCTTCCGCCAGAAGGGCACAGAGGAATTTGTCAAGATCCTACGCTATGAGAATGAGGTGCTGCAGCT
GGAGGAAGATGAGCGCTTTGAGGGCCGTGTGGTGTGGAACGGTAGTCGGGGCACCAAGGACCTGCAGGAC
CTGTCCATCTTCATCACCATGTACCTACAACCACTCTGGCGACTACGAATGTACAGTCTACCGTCTCC
TCTTCTTTGATAATTACGAGCACAAACACCAGCGTCGTCAAGAAGATCCACCTGGAGGTGGTGACAAGGC
CAACAGAGATATGGCATCCATCGTGTGAGAGATCATGATGTACGTGCTCATTGTGGTGTAAACCATATGG
CTCGTGGCGGAGATGGTGTACTGCTACAAGAAGATTGCTGCTGCCACGGAAGCTGCTGCACAAGAGAATG
CCTCGGAATACCTGGCCATTACTTCCGAGAGCAAAGAGAACTGTACAGGCGTCCAGGTGGCTGAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

| | |
|--------------------|--|
| Restriction Sites: | SgfI-MluI |
| ACCN: | NM_001271046 |
| Insert Size: | 558 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). |



[View online »](#)

| | |
|-------------------------------|---|
| 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_001271046.2</u> , <u>NP_001257975.1</u> |
| RefSeq Size: | 1281 bp |
| RefSeq ORF: | 558 bp |
| Locus ID: | 29686 |
| Cytogenetics: | 1q21 |
| Gene Summary: | <p>has voltage sensitive sodium channel activity when coexpressed with alpha subunits; plays a role in initiation and propagation of the action potential [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (3) contains an alternate exon in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1.</p> <p>Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p> |