

## Product datasheet for **RN203157**

### Scn1b (NM\_017288) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Scn1b (NM_017288) 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:	>RN203157 representing NM_017288 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGACGCTGCTGGCTCTCGTGGTGGGCGGGTCTGGTATCCTCAGCCTGGGGGGCTGCGTGGAGG  
TGGATTCTGAGACCGAGGCAGTGTATGGGATGACCTTCAAATCCTGTGTATCTCCTGTAAGCGTCGTAG  
TGAGACCACCGCCGAGACCTTACGGAGTGGACCTCCGCCAGAAGGGCACAGAGGAATTTGTCAAGATC  
CTACGCTATGAGAATGAGGTGCTGCAGCTGGAGGAAGATGAGCGCTTTGAGGGCCGTGGTGTGGAACG  
GTAGTCGGGGCACCAAGGACCTGCAGGACCTGTCCATCTTCATCACCAATGTCACCTACAACCACCTCTGG  
CGACTACGAATGTACGTCTACCGTCTCCTCTTTGATAATTACGAGCACAACACCAGCGTCGTCAAG  
AAGATCCACCTGGAGGTGGTGGACAAGGCCAACAGAGATATGGCATCCATCGTGTGAGAGATCATGATGT  
ACGTGCTCATTGTGGTGTAAACCATATGGCTCGTGGCGGAGATGGTGTACTGCTACAAGAAGATTGCTGC  
TGCCACGGAAGCTGCTGCACAAGAGAATGCCTCGGAATACCTGGCCATTACTTCCGAGAGCAAAGAGAAC  
TGTACAGGCGTCCAGGTGGCTGA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja1546_e06.zip">https://cdn.origene.com/chromatograms/ja1546_e06.zip</a>
Restriction Sites:	Sgfl-MluI
ACCN:	NM_017288
Insert Size:	657 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>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_017288.1</a></u> , <u><a href="#">NP_058984.1</a></u>
<b>RefSeq Size:</b>	1520 bp
<b>RefSeq ORF:</b>	657 bp
<b>Locus ID:</b>	29686
<b>UniProt ID:</b>	<u><a href="#">Q00954</a></u>
<b>Cytogenetics:</b>	1q21
<b>Gene Summary:</b>	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] Transcript Variant: This variant (2) lacks an internal segment in the 3' UTR, compared to variant 1. Both variants 1 and 2 encode the same isoform (1).