

Product datasheet for **RN216073**

Scn1b (NM_001271045) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Scn1b (NM_001271045) Rat Untagged Clone
Tag: Tag Free
Symbol: Scn1b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216073 representing NM_001271045
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGGACGCTGCTGGCTCTCGTGGTGGGCGGGTCTGGTATCCTCAGCCTGGGGGGCTGCTGGAGG
TGGATTCTGAGACCGAGGCAGTGTATGGGATGACCTTCAAATCCTGTGTATCTCCTGTAAGCGTCGTAG
TGAGACCACCGCCGAGACCTTCACGGAGTGGACCTTCCGCCAGAAGGGCACAGAGGAATTTGTCAGATC
CTACGCTATGAGAATGAGGTGCTGCAGCTGGAGGAAGATGAGCGCTTTGAGGGCCGTGTGGTGTGGAACG
GTAGTCGGGGCACCAAGGACCTGCAGGACCTGTCCATCTTCATCACCAATGTCACCTACAACCACCTCTGG
CGACTACGAATGTCACGTCTACCGTCTCCTCTTTGATAATTACGAGCACAACACCAGCGTCGTCAGG
AAGATCCACCTGGAGGTGGTGGACAAGGCCAACAGAGATATGGCATCCATCGTGTGAGAGATCATGATGT
ACGTGCTCATTGTGGTGTAAACCATATGGCTCGTGGCGGAGATGGTGTACTGCTACAAGAAGATTGCTGC
TGCCACGGAAGCTGCTGCACAAGAGAATGCCTCGGAATACCTGGCCATTACTTCCGAGAGCAAAGAGAAC
TGTACAGGCGTCCAGGTGGCTGAATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271045
Insert Size: 657 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:	NM_001271045.1 , NP_001257974.1
RefSeq Size:	1525 bp
RefSeq ORF:	657 bp
Locus ID:	29686
UniProt ID:	Q00954
Cytogenetics:	1q21
Gene Summary:	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 (1) and variant 2 encode the longer isoform (1).