

Product datasheet for **MC207389**

Scn1b (NM_011322) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scn1b (NM_011322) Mouse 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:	>MC207389 representing NM_011322 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACGCTGCTGGCTCTCGTGGTGGGCGGGCGCTGGTATCCTCAGCCTGGGGGGCTGCGTGGAGG
TGGATCCGATACCGAGGCTGTGTATGGGATGACCTTCAAATCCTGTGCATCTCCTGTAAGCGTCGTAG
TGAGACCACCGCCGAAACCTTCACGGAGTGGACCTCCGCCAGAAGGGGACAGAGGAATTTGTCAAGATC
CTACGCTATGAGAATGAGGTGCTGCAGCTGGAGGAAGATGAGCGCTTTGAGGGCCGAGTGGTGTGGAACG
GTAGTCGGGGCACCAAGGACCTGCAGGACCTGTCCATCTTCATCACCAACGTCACCTACAACCACCTCTGG
CGACTACGAATGTACAGTCTACCGTCTCCTCTTCTTTGATAATTATGAGCACAAACCAGCGTCGTCGAAG
AAGATCCACCTGGAGGTGGTGGACAAGGCCAACAGAGATATGGCATCCATCGTGTGAGAGATCATGATGT
ACGTGCTCATTGTGGTGTGACCATATGGCTTGTGGCAGAGATGGTGTACTGCTACAAGAAGATTGCTGC
TGCTACGGAGGCTGCTGCACAAGAGAACGCCTCAGAATACCTGGCCATTACATCCGAGAGCAAAGAAAAC
TGTACAGGCGTCCAGGTGGCTGA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_011322
Insert Size:	657 bp



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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).
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_011322.2 , NP_035452.1
RefSeq Size:	1568 bp
RefSeq ORF:	657 bp
Locus ID:	20266
UniProt ID:	P97952
Cytogenetics:	7 19.3 cM
Gene Summary:	Regulatory subunit of multiple voltage-gated sodium channel complexes that play important roles in excitable membranes in brain, heart and skeletal muscle. Enhances the presence of the pore-forming alpha subunit at the cell surface and modulates channel gating characteristics and the rate of channel inactivation. Modulates the activity of a variety of pore-forming alpha subunits, such as SCN1A, SCN2A, SCN3A, SCN4A, SCN5A and SCN10A. [UniProtKB/Swiss-Prot Function]