

Product datasheet for RN212224

Scn11a (NM_019265) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Scn11a (NM_019265) Rat Untagged Clone
Tag: Tag Free
Symbol: Scn11a
Synonyms: NaN
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212224 representing NM_019265
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCCC

ATGGAGGAGAGGTACTACCCGGTGATCTCCCGGACGAGCGGAATTTCCGCCCTTCACTCCGACTCTC
 TGGCTGCCATAGAGAAGCGGATTGCTATCCAAAAGGAGAGGAAGAAGTCCAAAGACAAGCGGCAGCTGA
 GCCCAGCCTCGCCTCAGCTTGACCTAAAGGCCTCCAGGAAGTTACCTAAGCTTTATGGTGACATTCCC
 CCTGAGCTTGTAGCGAAGCCTCTGGAAGACCTGGACCCATTCTACAAAGACCATAAGACATTCATGGTGT
 TGAACAAGAAGAGAACAATTTATCGCTTCAGCGCAAGCGGGCCTTGTTCACTTCTGGGGCCTTTAATCC
 CCTCAGAAGCTTAATGATTTCGTATCTCTGTCCATTCACTTTAGCATGTTTCATCATCTGCACGGTGATC
 ATCAACTGTATGTTTATGGCGAATTCTATGGAGAGAAGTTTCGACAACGACATTCGCCAATACGTCTTCA
 TTGGGATTTATATTTAGAAAGCTGTGATTAATAATTGGCAAGAGGCTTCATTGTGGATGAGTTTTCTT
 CCTCCGAGATCCGTGGAAGTGGCTGGACTTCATTGTGATTGGAACAGCGATCGCAACTTGTTTTCCGGGC
 AGCCAAGTCAATCTTTCAGCTCTTCGTACCTCCGAGTGTTTCAGAGCTCTGAAGGCGATTCAGTTATCT
 CAGGTCGAAGGTCATCGTAGTGCCCTGCTGCGCTCGGTGAAGAAGCTGGTAGACGTGATGGTCCCTCAC
 TCTCTTCTGCCTCAGCATCTTTGCCCTGGTCGGTCAGCAGCTGTTTCATGGGAATTCTGAACCAGAAGTGT
 ATTAAGCACAAGTGTGGCCCAACCCTGCATCCAACAAGGATTGCTTTGAAAAGGAAAAAGATAGCGAAG
 ACTTCATAATGTGTGGTACCTGGCTCGGCAGCAGACCCTGTCCAATGGTTCTACGTGCGATAAAACCAC
 ATTGAACCCAGACAATAATTATACAAAGTTTGACAACCTTTGGCTGGTCTTTCTCGCCATGTTCCGGGTT
 ATGACTCAAGACTCCTGGGAGAGGCTTTACCGACAGATCTGCGGACCTCTGGGATCTACTTTGTCTTCT
 TCTTCGTGGTGGTCATCTTCTGGGCTCCTTCTACCTGCTTAACCTAACCTGGCTGTTGTCACCATGGC
 TTATGAAGAACAGAACAGAAATGTAGCTGCTGAGACAGAGGCCAAGGAGAAAATGTTTCAGGAAGCCAG
 CAGCTGTTAAGGGAGGAGAAGGAGGCTCTGTTGCCATGGGAATTGACAGAAGTCCCTTAATCCCTTC
 AAGCTTCATCCTTTCCCGAAGAAGAGGAAAGTTTTTCGGTAGTAAGACAAGAAAGTCCCTCTTTATGAG
 AGGGTCCAAGACGGCCCAAGCCTCAGCGTCTGATTTCAGAGGACGATGCCTCTAAAAATCCACAGCTCCT
 GAGCAGACCAACGACTGTCCAGAAGTGGCAGTGGATCTCTTTGATGAGCAGCTGGACCCCTCCACA



[View online »](#)

GGCAGAGAGCGCTGAGCGCTGTCAAGTATCTTAACCATCACCATGCAGGAACAAGAAAAATCCAGGAGCC
 TTGTTTCCCATGTGGGAAAAATTTGGCCTCTAAGTACCTGGTGTGGGACTGTAGCCCTCAGTGGCTGTGC
 ATAAAGAAGGTCTGCGGACCATCATGACGGATCCCTTACTGAGCTGGCCATCACCATCTGCATCATCA
 TCAATACCGTTTTCTAGCCGTGGAGCACCACAACATGGATGACAACCTAAAGACCATACTGAAAATAGG
 AAACGGGTTTTACGGGAATTTTCATAGCGGAAATGTGTCTCAAGATCATCGCGCTCGACCCTACCAC
 TACTCCGGCACGGCTGGAATGTTTTGACAGCATCGTGGCCCTCCTGAGTCTCGCTGATGTGCTCTACA
 ACACACTGTCTGATAACAATAGTCTTTTGGCTTCCCTCAGAGTGTGAGGGTCTTCAAGTAGCCAA
 ATCCTGGCCACGTTAAACACTCTCATTAAAGATCATCGGCCACTCCGTGGGCGCGCTTGGAAACCTGACT
 GTGGTCTGACTATCGTGGTCTTCTATCTTTTGTGGTGGGCATGCGGCTCTTCGGCACCAAGTTTAAACA
 AGACCGCTACGCCACCCAGGAGCGGCCAGGCGGCGCTGGCACATGGATAATTTCTACCACTCCTTCT
 GGTGGTGTTCGCATCTCTGTGGGAAATGGATCGAGAACATGTGGGCTGCATGCAGGATATGGACGGC
 TCCCCGTGTGCATATTGTCTTGTCTGATAATGGTATCGGGAAGCTTGTGGTGTAACTCTTCA
 TTGCCCTGCTGCTCAATTCCTCAGCAATGAGGAGAAGGATGGGAGCCTGGAAGGAGAGACCAGGAAAAC
 CAAAGTGCAGCTAGCCCTGGATCGTTCGGCCGGGCTTCTCCTTCATGTGCACGCTCTTCAGAGTTTT
 GTTGAAGAAAATGCAGGAGGAAAACTCGCCAAAGCCAAAAGAGACAACAGAAAGCTTTGCTGGTGA
 ATAAAGACTCAATCCTCCGGATGCGAGGCCCTGGAAGGAGTATGATACAGACATGGCTTTGTACTAGG
 ACAGGCCGGGGCTCCGCTGGCCCACTCGCAGAGGTAGAGGACGATGTGGAATATTGTGGTGAAGGCGGT
 GCCCTACCCACCTCACAACATAGTGTGGAGTTCAGGCCGGTGCCTCCCTCCAGAGACCAAGCAGCTCA
 CTAGCCCGGATGACCAAGGGGTGAAATGGAAGTATTTCTGAAGAAGATCTGCATTTAAGCATAACAGAG
 TCCTCGAAAGAAGTCTGACGCAGTGTGATGCTCTCGGAATGCAGCACAATTGACCTGAATGATATCTTT
 AGAAATTTACAGAAAACAGTTTTCCCCAAAAGCAGCCAGATAGATGCTTTCCCAAGGGCCTTAGTTGTC
 ACTTTCTATGCCACAAAACAGACAAGAGAAAAGTCCCCCTGGGTCTGTGGTGAACATTCGGAAAACCTG
 CTAATAATCGTGAAGCACAGCTGGTTTGAGAGTTTTCAATCTTTGTTATTCTGCTGACGAGTGGAGCG
 CTGATATTTGAAGATGTCAATCTCCCGCCGGCCCAAGTTGAGAAATTAATAAGGTGTACCGATAATA
 TTTTACATTTATTTCTCCTGGAATGATCCTGAAGTGGTGGCCTTTGGATTCCGGAGGTATTTAC
 CAGTGCCTGGTGTGGCTTGAATTCCTCATTGTGGTGGTGTCTGTGCTCAGTCTCATGAATCTACCAAGC
 TTGAAGTCTTCCGGACTCTGCGGGCCCTGAGACCTCTGCGGGCGCTGTCCAGTTTGAAGGAATGAAGG
 TTGCTGCTACGCCCTGATCAGCGCCATACCTGCCATTCTCAATGTCTTGGTCTGCCTCATTTTCTG
 GCTCGTATTTGTATCTTGGGAGTAAATTTATTTCTGGGAAGTTTGAAGGTGCATTAACGGGACAGAC
 ATAAATATGTATTTGGATTTTACCGAAGTTCGAAACCGAAGCCAAATGTAACATTAGTAATTACTCGTGA
 AGGTCCCGCAGGTCAACTTTGACAACGTGGGGAATGCCTATCTCGCCCTGCTGCAAGTGGCAACCTATAA
 GGGCTGGCTGGAATCATGAATGCTGCTGTCGATTCCAGAGAGAAAGACGAGCAGCCGGACTTTGAGGCG
 AACCTCTACGCGTATCTACTTTGTGGTTTTATCATCTTCGGCTCCTTCTTTACCCTGAACCTCTTTA
 TCGGTGTATTATTGACAACCTCAATCAGCAGCAGAAAAAGTTAGGTGGCCAAGACATTTTTATGACAGA
 AGAACAGAAGAAATATTACAATGCAATGAAAAAGTTAGGAACCAAGAAACCTCAAAGGCCATCCCAAGG
 CCCCTGAACAAATGTCAAGCCTTTGTGTTCGACCTGGTCAAGCCAGGTCTTTGACGTGCATATTCTGG
 GTCTTATTGTCTTAAATATGATTATCATGATGGCTGAATCTGCCGACCAGCCAAAGATGTAAGAAAAC
 CTTTGATATCCTCAACATAGCCTTCGTGGTCACTTTACCATAGAGTGTCTCATCAAAGTCTTTGCTTTG
 AGGCAACTACTTCACCAATGGCTGGAACCTTTTATTGTTGTGGTCTGGTCTTTCTATCATTAGTA
 CCTGGTTTTCCGCTTGGAGGACAGTGACATTTCTTTCCCGCCACGCTCTTTCAGAGTCTCGCTTGGC
 TCGGATTGGTCAATCCTCAGGCTGGTCCGGGCTGCCCGGGAATCAGGACCCTCCTCTTTGCTTTGATG
 ATGTCTCTCCCTCTCTCTTCAACATCGGTCTGCTGCTTCTTGGTGTGTTTACGCCATCTTTG
 GGATGAGCTGGTTTTCAAAGTGAAGAAGGGCTCCGGGATCGACGACATCTTCAACTTCGAGACCTTTAC
 GGGCAGCATGCTGCTCTTCCAGATAACCACTTCGGCTGGCTGGGATACCCTCCTCAACCCATGCTG
 GAGGCAAAGAACAACACTGCAACTCCTCCTCCAAGACAGCTGTGACGAGCCGAGATAGCCGTGCTACT
 TCGTCAGTTACATCATCATCTCCTTCTCATCGTGGTCAACATGTACATCGCTGTGATCCTCGAGAACTT
 CAACACAGCCACGGAGGAGCGAGGACCCTCTGGGAGAGGACGACTTTGAAATCTTCTATGAGGTCTGG
 GAGAAGTTTACCCCGAGGCGTGCAGTTCATCCAGTATTCGGCCCTCTGACTTTGCGGACGCCCTGC
 CGGAGCCGTTGCGTGTGGCCAAGCCGAATAAGTTTCAGTTTCTAGTGTGGACTTGCCATGGTGTGGG
 CGACCGCTCCATTGCATGGATGTTCTTTGCTTTCACTACCAGGCTCCTCGGGGACTCCAGCGGCTTG
 GATACCATGAAAACCATGATGGAGGAGAAGTTTATGGAGGCCAACCTTTTAAAGAAGCTCTACGAGCCCA
 TAGTCACCACCACCAAGAGGAAGGAGGAGGAGCAAGGCCCGCCGCTCATCCAGAGGGCTACCGGAAACA

CATGGAGAAGATGGTCAAACCTGAGGCTGAAGGACAGGTCAAGTTCATCGCACCAGGTGTTTTGCAATGGA
GACTTGTCCAGCTTGGATGTGGCCAAGGTCAAGGTTACAATGACTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Ascl-RsrII
ACCN:	NM_019265
Insert Size:	5298 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).
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_019265.2</u> , <u>NP_062138.1</u>
RefSeq Size:	5905 bp
RefSeq ORF:	5298 bp
Locus ID:	29701
UniProt ID:	<u>O88457</u>
Cytogenetics:	8q32
Gene Summary:	Na channel alpha-subunit; may be involved in generation of electrical activity in peripheral sensory neurons [RGD, Feb 2006]