

Product datasheet for RN201560

Scn7a (NM_031686) Rat Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Scn7a (NM_031686) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Scn7a |
| Synonyms: | Na-G; Scn6a |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >RN201560 representing NM_031686 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGACTTCCCAGAGCCGAAGGGCCTTGCCATTACGGCAGAGTCACTTGAACCTATAAAAAATC
ACATTGCTAAAAATGCAACGAAGAGCATGAAGAAGAAGATTTAAACCAAGCCGGGATATAGAAGCAGG
CAAAAACTTCCATTTGCCTATGGAACCCCTTCTCAAGGAACCGTGTGAGAGCCCTTGAAGATGTGGAT
CCATACTACTATGTTAAGAGAAATACTTTCATGGTCTTAAACAGAAACAGAGTCATCTTCAGTTCAATG
CGGTTTCCATCCTCTGCACGTTGTCTCCTTAAAGCTCTCTCAGAAGAGCTGTTATCAAGTTTTGGTGCA
CCCCTTTTGCGCCTGTGATTTAATTAGTGTCTCACCGACAGCATACTTATGTGCATGAGTAACCTA
CCGGAATGGATATTGGCAGTAGAGAATACTTGCTTGGGAATTTACACATTCGAAACTGTTAAAGTCA
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TATAAACACCACATTGGATATACTGGAAGACACTGCCCTTGGACACAAAGAAGAACAGAAACATCCAGG



AAGGAATGCCACTCTGTGGTATAAGTTACTAAAACCTGCTTTATCTGGAAATGCTCTCCCTGTTGGA
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CAGCGGAAAACCATTAATACTTCTGGAGTATGGAGACATGATATTTGCTTACATCTTCATTCTGGAGA
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GCAGTACCCGGCACTGAAGAAGCTTGTATGCAGACTCTCAGAAACCAGCAGCCCGCCCTAGAAAACAAG
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TCCAAGCAACAACCATTATGATACAAAATGATGAGCAGAGTCCACAAATGAAACCGCTGTCTTCTGGAT
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TTCACCAGCGCATGGAATGTTTATGACTTTATGGTGGTCGTTTTCTCCATTACAGGACTGCTGCTGCCT
TGTCATAGGACAATACTTTGTGCCTCCTTCACTGGTGCAGCTGCTTCTCTCTCGCATCATCCAGCA
CTGCTCAACATTGGTCTTCTCATCTTCTGGTCATGTTTCTACGCCATCTTTGGAATGTACAACCTTCG
CCTACGTGAAGAAAGAAGCCGAATTAATGATGTGCCAATTTGAGACCTTTGGAAGCAGTATGCTTTG
TCTCTTTCAAGTTACAACATTTTCTGGTGGGACGGGATGCTGGATGCAATTTTCAACAGTCAGTGGTCT
GACTGCGATCCTGATAAAAATTAACCCAGGGACTCAGGTCAGGGGAGACTGTGGGAGCCCTTCTGTTGGG
TTTTTTATTTTGTGAGTTACATCCTCATATCATGGTTGATCATTGTTAATATGTACGTTGTTTTGATCAT
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AAGGTATGGAACAGGTTTACCCTGACAGGACCCAGTACATAGACTCTACTAAGCTTTCTGATTTTGCAG
CTGCTCTCGATCCTCCTTTTTCATGGCAAAACCAACAAGGGCCAGCTGTAGCCATGGATCTCCCAT
GGCTGCAGGAGACAGAATCCATTGCCTTGATATTTGCTTGCCTTACGAAAAGAGTGATGGGAAAGGAT
GAGCGGTTGGAGAAGATCCTTTCAGAGATAGAATCTGGGTTTATGTTAGCGAACCTTTCAAATACGT
ATGAGCCGATTACAACGACTTTGAAACGCAAAACAAGAGGCACTCTCAGCCACTATCATCCAGCGGCATA
CAAAGTTACCGCTTAAGGCAAAGTGACAAAAAGATACAAGATATCCCGAAATAGATGATGGCAGGGAG
GATCCTAACTCTAAGGTGTCCACTCTGGTCAAATCGAGGAAAAGGCATCTATTCAGACCCAGATCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_031686

Insert Size: 5109 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:

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_031686.1, NP_113874.1

RefSeq Size: 6556 bp

RefSeq ORF: 5109 bp

Locus ID: 64155

Cytogenetics: 3q21

Gene Summary: glial Na-channel alpha subunit [RGD, Feb 2006]