

Product datasheet for **MC224815**

Scn7a (NM_009135) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Scn7a (NM_009135) Mouse Untagged Clone
Tag: Tag Free
Symbol: Scn7a
Synonyms: 1110034K09Rik; Al642000; NaG; Nav2; Nav2.3; Nax; Scn6a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224815 representing NM_009135
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGACTTCCCAGAGCCGAAGGGCCTTGTCATTTACAACAGAGTCACTTGAACCTATAGAAAATC
ACATTGCTAAAAATGCAATGAAGACCCGAAGAAGAAGGTTTAAACCAAGTCGTAATCTAGAAGC
TGGCAAAAGACTTCCAATCCCTATGGAACCCCTCCCTCGAGGAACCGTGTGAGAGCCCTTGAAGATGTG
GATCCATACTACTATGTTAAGAGAAATACTTTTCATGGTCTTAAACAGAAGCAGAGTCATCTTCAGGTTCA
ATGCGGTTTTCCATCTTCTGCACATTGTCTCCTCTAAACTCCCTCAGAAGAGCAGCTATCAAGGCTTTGGT
GCATCCCCTTTTTCGCCTGCTGATTTTAACTCAGCGTTCTCACTGACAGCATACTTATGTGCATGAGTAAT
CTACCAGAATGGATATTGGCAATAGAGAATACTTTGCTTGGGATTTACGCATTTGAAATACTTGTAAAAG
TCATTGCAAGAGGTATCTGGGCAGGTTCAATTTCCCTTCCCTGGGGATCTTTGGAAGTGGCTTGATTTTCAG
TGTAACCTTTGTTTCGAGCTAATCACAAGGTTTTCACCTCTAAGCTCCTTTTTAATGCTTAAACTATCAGA
ACTTTCCGAATTTTGAAGATTATCCCTTTGAACCAGGCCTGCAGTCTATTGTGATGACACTGGCCAGT
GTTTGAAGAAACTATTTGGTGCCATTGCCCTAGCTCTGTTTTTCTGGCTGTGTTTTCACTACTTGGAAAT
GGGCTCTTCATGGGCAACCTGAAGCACAAATGTCTGCGGTGGCCAGAAGAAAATGAAAATGAAAACGCTG
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CACAAATCCTGACAATGGCTTACAAGTTTTGACAACCTTTGGCTGGTCCCTTCTTGCTATGTTTCGATTG
ATGACACAGGATTACCCTGAATTACTTTATCACCAGATCCTTTATGCTTCAGGAAAGGTCTACATGATAT
TTTTTGTATGATCAGTTTCTGGTTTGCCTTCTATTTGACAAGTTTGTCTTGGGCATACTCACTATGAC
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ATCCAGGAAGAAAATGCCAATATGTTGGCATAAGTTTATTAACCTGCTTCATCTGGAAGTCTCTCCC
TGTTGGTAAAAGTGAACGAGTTTGTGATAGAGTTATAACACACCCATTGGCTGATCTTTTTCTTGTCAT



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TCTGCATCGTTTTAAACATATGCTTCCTCGCCCTAGAACATTTTCCAATGAGCGAGGAGCTCAGGTCTCT
 CCTTCACGTTGGAAATTTGGTTTTATTGGAATTTACACAATAGAAATGATTTTGAAGATAATCGTATG
 CATCCATATGGGTATTTCAAATAAGCTGGAATATTTTGGACAGTATACTTGTGGTTTTGGAGTTAACAG
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 GTCCTGTTGCTCTGCATATTCGTTTACTTCTCTGCTGTGTTGCGCATGAAGCTGTTTGGTGAAGTTACA
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 CTACATGTATAGTTACTTTATCATCTTTGTTATCTTTGGATTATTTCTTCTCTCTGTATGCTGATTGGT
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 CTACCCTTGACAATAGGACAATACTTTGTGCTCCTTCCCTGGTGCAGCTGATTCTTCTCTCGAGTCA
 TCCACATCCTGCGTCTGGGAAAGGACCGAAGGTGTTCCATGACCTGATGCTTCCCTTGAATCTGGCGT
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 AACTTTGCCTATGTAAGAAAAGAAGCCGGAATTAATGATGTGTTCAACTTTGAGACCTTTGGAAGCAGTA
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 ATTCTTCCGGGTGTTGAAACAGGTTTACCCTGATAGGACCCAGTACATAGACTCTAGCAAGCTTTCTGAT
 TTTGCAGTCTCTGGATCCTCCTTTTTCATGGCAAAACCAACAAGGGCCAGCTTGTGGCCATGGATC
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 AAAGGATGAGAGGTTGGAGAAAATCCTTTCAGAGATAGAATCCGGGTTTCAATGTTAGCGAACCTTTCAA
 ATCACTTATGAGCCGATTACAACACTTTTGAACGCAAAACAAGAGGCAGTTTCAGCAACCATCATCCAGC
 GTGCATATAAAAGCTACCGCTTAAAGGCAAAATGACAAGAATGTATCAGATACTCTGCTATAGATGACCG
 CAGAGATGATCTTACTTAAAGGTGCTCACTCTGGCAAAATCGAGGAGAAGGCATCTATTCAGACCCAG
 ATTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_009135

Insert Size: 5046 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_009135.2](#), [NP_033161.2](#)

RefSeq Size: 7333 bp

RefSeq ORF: 5046 bp

Locus ID: 20272

Cytogenetics: 2 39.21 cM