

Product datasheet for **SC101355**

SCN8A (AK091315) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCN8A (AK091315) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCN8A
Synonyms:	CERIII; CIAT; EIEE13; MED; NaCh6; Nav1.6; PN4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC101355 sequence for AK091315 edited (data generated by NextGen Sequencing) ATGGGCCTTGGTATCTGGCACCCATCAGCCAGCCTCATAGGAAAGAAGCCACCTCCGCTG TATTTGAAGTTTCACTTTTTAAAAAATGTTTCCACCTTTTATCCTTCACCCACT GTCCTTCCACCTGCTCACTCACTCACTCTCTCACCCATCCTGCTCCACACTTCTTTGGTA GTAAATGACACCATCACCAGCAGTTTACACCCGAGTTAACAGGCATCGAACTGAAAGAA TCAGTGATGACGTTTTTGTGCATCTTCGCTGAGTGGGTAAGTGGCAACGCTTTGCCAAAT ATTAACGAAGCCAATCAAAGAGCAGCGCAGCCACAGTATCACTGCACATATATATAGA TATATAAATATAATATAA Clone variation with respect to AK091315.1



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for AK091315 unedited</p> <pre>GTCAGAATTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGAATTTTTGTA CTACACCAATACCAGACTGGGAAGGCCTATCTTTCAGTGACCCTGCTAACTGCTAGGAT GAATGTATAGTAACATGTACAGGCTACATTGTAACAGCACAAAAACAGAAGCTGACATGT GTGGTTATTCTTTTTAAGAGAATTATAAATACTGTAATATATAATTTTATTTTATTGGCA TGCCTTTTTGTAATAACAATTTAATACTTATTAATAGGAAATGGCTTCTGGCTTATGC CATTGTCATGTTATTTTTATTTTTTATACTTTTCTTTCTTCTTAGAAGCTTAGATGCTGT CAGCCAATGTACATCCCCAAACCAGACAGACAGACAAAAAATTTTTTATTGCTAATGGTC TTTTCCAAAAACAACAAAAATATATATTTTTGTTCCAATGTGCAATAAATTCTAACCCAG TCTATGCAAGATTTGGCTAAACTTAATAATTGTTCTTAGGTCTTGAGATGGGCAACAGAG CTGTAAGATCCCAGCAAGTACACCATGTGCTCATGCTAGTGATGTCATTAAGCTACTAGG GCATAGTGATGAGATTTTCTGAGATCTAACCGTTTCCCTCCGCTAGCTCCTGACCCAG CCCAGCAGGCTGTCTCCTCAGTAACACATGNGGCCTTGGTATCTGGCACCCATCAGCCAG CCTCATAGGAAAAGCCACCTNCGCTGTATTTGAAGTNCACNTNTNTAAAAAAAATG TTTCCACCTTTTTATCCTTACCCACTGCTTNCACCTGCTCACTCACTCACTCTCTC ACCCATCTGCTNCACACTTNTTTGGTAGTNAATGACACCATCACCAGCAGTTTACACCC GCAGTTAACAGGCATCGAACTGAAGAATCAGTGATGACGTTTTTGTGCATCTTC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for AK091315 unedited</p> <pre>NNAAATACTGGTACCGCGCCGCTATCNANNGATCGTTTTTTTTTTGTTTTTTTTGGCTTA GAGGAGTGATGGACTTTTTATCACGTCTCATTAGGGCAGCATTGGCCTCCATGCATTCAC TAATACACTAATCTTCACTGTTGGTCTTTTACAGGTTTACGTTGGTTGCAGCAAAAAATA AAAGAACTCTGGGCACTGTCGCTTTAGGGGCTTTGACTGGGAGTTTGTATCTCTCTCC AGTCAACTTCTGACGCCAAAAGTGGCTCGTTTAGAAAGGAGTGAGAGTAGGCCATGTTAA CATGGAAGTTTCTCCTCCTCTCGTCTGCTTTAAATTACAGAGTCTCCTCATCCTAA GCAACAAGGAGGTTAAGGAAAGAAGAGGGGAAAATGTTTTTACACACAAAACCAGCAAC CATGTCAGCTGCTGCTCAGTGGCTTTGGCTCTGCATTTTAAATTTAACAGCATCACAC ATCTTTTTGCTTTTTGTCCTTTTTTAAAAGGTGGATTGTGGAGTATAAACTGCACCA AGGACCTGGCTACAAAAATAAATTTTATATTATTTATATATCTATATATATATATGTC CAGTGATACTGTGGCTGCGCTGCTCTTTGATTGGCTTCGTTAATATTTGGCAAAGCGTTG CCACTTACCCACTCAGCGAAGATGCACANAACGTCATCANCTGATTCTTTCAGTTCGAT GCCTGTTAACTGCGGGTGTAAACTGCTGGTGATGGTGTCATTTACTACCAAAGAAGTGTG GGACANGATGGGTTGAAAAAGTGAGTGAGTGAACAAGTGGGAAGGACAGTGGGTGAAGGA TAAAAAAGTGGGAAACATTTTTTTTTTAAAAGATGAAACTTCAAATCAGCGGAAGTGGCT TTCTTTCT</pre>
Restriction Sites:	NotI-NotI
ACCN:	AK091315
Insert Size:	1750 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: [AK091315.1](#), [BAC03635.1](#)

RefSeq Size: 2849 bp

RefSeq ORF: 378 bp

Locus ID: 283401

Cytogenetics: 12q13.13