

Product datasheet for **SC338111**

Nav1.8 (SCN10A) (NM_001293307) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nav1.8 (SCN10A) (NM_001293307) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCN10A
Synonyms:	FEPS2; Nav1.8; PN3; SNS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001293307, the custom clone sequence may differ by one or more nucleotides

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ATGGAATCCCCATTGGATCCCTCGAACTAACAACCTCCGTCGCTTTACTCCGGAGTCACTGGTGGAGA
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CCGTCCTATGAGAGTGTCACTAGAGGCCTTAGTGATAGAGTCAACATGAGGACATCTAGCTCAATACAAA
ATGAAGATGAAGCCACCAGTATGGAGCTGATTGCCCTGGGCCCTAG
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001293307
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_001293307.2</u> , <u>NP_001280236.2</u>
RefSeq Size:	5580 bp
RefSeq ORF:	5577 bp
Locus ID:	6336
UniProt ID:	<u>Q9Y5Y9</u>
Cytogenetics:	3p22.2
Protein Families:	Druggable Genome, Ion Channels: Sodium, Transmembrane
Gene Summary:	<p>The protein encoded by this gene is a tetrodotoxin-resistant voltage-gated sodium channel alpha subunit. The properties of the channel formed by the encoded transmembrane protein can be altered by interaction with different beta subunits. This protein may be involved in the onset of pain associated with peripheral neuropathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]</p> <p>Transcript Variant: This variant (3) lacks an exon in the coding region, compared to variant 1. The encoded isoform (3) is shorter, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>