

Product datasheet for **RN214460**

Scn5a (NM_013125) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scn5a (NM_013125) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Scn5a
Synonyms:	Nav1.5; SCAL
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214460 representing NM_013125 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCAAACCTCCTGTTACCTCGGGCACCAGCAGCTTCCGTAGGTTACCCGGGAGTCACTGGCGGCCA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_013125
Insert Size:	6060 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:	NM_013125.2 , NP_037257.1
RefSeq Size:	8468 bp
RefSeq ORF:	6060 bp
Locus ID:	25665
UniProt ID:	P15389
Cytogenetics:	8q32
Gene Summary:	acts as a tetrodotoxin-resistant voltage gated sodium channel; may play a role in cardiac function [RGD, Feb 2006] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).

