

## Product datasheet for **RC224237**

### **SCN3B (NM\_018400) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SCN3B (NM\_018400) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SCN3B  
**Synonyms:** ATFB16; BRGDA7; HSA243396; SCN3B  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC224237 representing NM\_018400  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTGCCTTCAATAGATTGTTTCCCCTGGCTTCTCTCGTGCTTATCTACTGGGTCAGTGTCTGCTTCC  
CTGTGTGTGGAAGTGCCCTCGGAGACGGAGGCCGTGCAGGGCAACCCCATGAAGCTGCGCTGCATCTC  
CTGCATGAAGAGAGAGGAGGTGGAGGCCACCACGGTGGTGAATGGTTCTACAGGCCGAGGGCGGTAAA  
GATTTCTTATTTACGAGTATCGGAATGGCCACCAGGAGGTGGAGAGCCCTTTCAGGGCGCCTGCAGT  
GGAATGGCAGCAAGGACCTGCAGGACGTGCCATCACTGTGCTCAACGTCCTCTGAACGACTCTGGCCT  
CTACACCTGCAATGTGTCCCGGAGTTTGAGTTTGAGGCGCATCGGCCCTTTGTGAAGACGACGCGGCTG  
ATCCCCCTAAGAGTCACCGAGGAGGCTGGAGAGGACTTCACTCTGTGGTCTCAGAAATCATGATGTACA  
TCCTTCTGGTCTTCTCACCTTGTGGCTGCTCATCGAGATGATATATTGCTACAGAAAGGTCTCAAAGC  
CGAAGAGGCAGCCCAAGAAAACGCGTCTGACTACCTTGCCATCCCATCTGAGAACAAGGAGAAGCTGCG  
GTACCAAGTGGAGGAA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

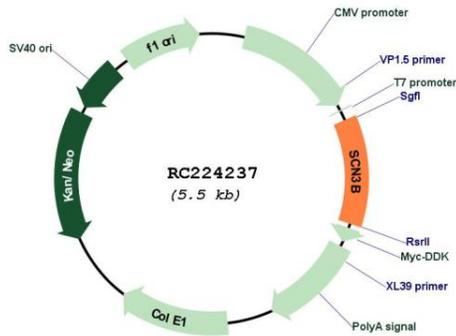


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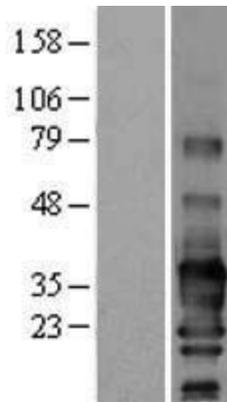


<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_018400.4</a></u>
<b>RefSeq Size:</b>	6081 bp
<b>RefSeq ORF:</b>	648 bp
<b>Locus ID:</b>	55800
<b>UniProt ID:</b>	<u><a href="#">Q9NY72</a></u>
<b>Cytogenetics:</b>	11q24.1
<b>Domains:</b>	ig, IG
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Sodium, Transmembrane
<b>MW:</b>	22.1 kDa
<b>Gene Summary:</b>	Voltage-gated sodium channels are transmembrane glycoprotein complexes composed of a large alpha subunit and one or more regulatory beta subunits. They are responsible for the generation and propagation of action potentials in neurons and muscle. This gene encodes one member of the sodium channel beta subunit gene family, and influences the inactivation kinetics of the sodium channel. Two alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC224237



Western blot validation of overexpression lysate (Cat# [LY402676]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224237 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).