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Product datasheet for MC211363

Scn2b (NM_001014761) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scn2b (NM_001014761) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Scn2b
Synonyms:	2810451E09Rik; AI840361; Gm183
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC211363 representing NM_001014761
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCACAGGGATGCCTGGCTACCTCGCCCTGCCTTCAGTCTCACGGGGCTCAGTCTGTTTTTCTCTTTGG
TGCCCCCGGGGCGGAGCATGGAAGTCACAGCGCCCACCACTCTTAGTGTCCTCAATGGGTCCGATACCCG
CCTGCCCTGTACCTTCAACTCCTGCTACACCGTGAACCACAAGCAGTTCTCTCTTAACTGGACTTACCAG
GAGTGTAACAATTGCACAGAGGAGATGTTCCTCCAGTTCCGAATGAAGATCATTAACCTGAAGCTGGAGC
GGTTTGGAGACCGCGTGGAGTTCTCAGGGAACCCCAGTAAGTACGACGTGTCAGTGACTCTAAAGAACGT
GCAGCTAGAAGACGAAGGCATTTACAACTGCTACATTACCAACCCTCCAGACCGCCACCGCGGCCACGGC
AAGATTTACCTGCAGGTCCTTCTAGAAGTACCCCCAGAGCGGGACTCCACGGTGGCGGTCATCGTGGGTG
CCTCAGTGGGGGGTTTCCTGGCTGTGGTCATCTTGGTGCTGATGGTGGTCAAATGTGTGAGGAGGAAAAA
AGAGCAGAAGCTGAGCACGGATGACCTGAAGACTGAAGAGGAAGGCAAGATGGATGGTGAGGGCAACGCG
GAAGATGGCACCAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001014761
Insert Size:	648 bp

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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_001014761.2, NP_001014761.1
RefSeq Size:	4562 bp
RefSeq ORF:	648 bp
Locus ID:	72821
UniProt ID:	Q56A07
Cytogenetics:	9 24.84 cM
Gene Summary:	Crucial in the assembly, expression, and functional modulation of the heterotrimeric complex of the sodium channel. The subunit beta-2 causes an increase in the plasma membrane surface area and in its folding into microvilli. Interacts with TNR may play a crucial role in clustering and regulation of activity of sodium channels at nodes of Ranvier (By similarity). [UniProtKB/Swiss-Prot Function]

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