

Product datasheet for **MC214848**

Scn4b (NM_001013390) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scn4b (NM_001013390) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Scn4b
Synonyms:	Gm1471
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC214848 representing NM_001013390 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGTCCCGGGCTGGGAACCGAGGCAATACTCAGGCGAGATGGCTGGGCACTGGGCTTTGGGTCTCTTCC
TGCTTCCCATGTACCTGTCGTTGGAGGTATCTGTGGGAAAGGCCACCACCATCTACGCTATTAACGGCTC
ATCGATCCTGCTGCCCTGCACCTTCTCCAGCTGTTATGGCTTTGAGAACCTCTACTTCAAGTGGTCCTAC
AATAACAGCGAAACATCCAGGATTCTCATCGACGGGATCGTGAAGAACGATAAGTCTGACCCTAAGGTGA
GAGTGAAGGATGATGATCGAATCACCTAGAGGGCTCCACCAAGGAGAAGACGAATAACATCTCCATCCT
CTTGAGTGACCTGGAGTTCAGTGACACGGGCAGATACACCTGCTTCGTGAGGAACCCCAAGGAGAAGGAC
TTGAACAACCTCTGCCACCATCTTCTCCAAGTGGTTGATAAATTGGAAAAAGTGGACAACACGGTGACTC
TCATCATCCTGGCTGTGGTGGGCGGGTCAATTGGACTTCTTGTTCATCCTTCTGCTGAAGAAGCTCAT
CACCTTCATCCTGAAGAAGACCCGAGAGAAGAAGAAGGAGTGTCTCGTGAGTTCCTCTGGGAATGACAAC
ACAGAGAACGGTTGCCTGGCTCCAAGGCAGAAGAGAAGCCACCCACAAAAGT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001013390
Insert Size:	687 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:	<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_001013390.2</u> , <u>NP_001013408.1</u>
RefSeq Size:	4244 bp
RefSeq ORF:	687 bp
Locus ID:	399548
UniProt ID:	<u>Q7M729</u>
Cytogenetics:	9 A5.2
Gene Summary:	Modulates channel gating kinetics. Causes negative shifts in the voltage dependence of activation of certain alpha sodium channels, but does not affect the voltage dependence of inactivation. Modulates the susceptibility of the sodium channel to inhibition by toxic peptides from spider, scorpion, wasp and sea anemone venom (By similarity).[UniProtKB/Swiss-Prot Function]