

Product datasheet for RN215561

Nalcn (NM_153630) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nalcn (NM_153630) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nalcn
Synonyms:	Vgcnl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN215561 representing NM_153630 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCAAAGAAAGCAGAGTTCAGGGTGAAGCCAGCCAGTAACTGACTTTGGTCTGACGAATCTC
TGTCAGACAATGCTGACATACTCTGGATTAATAAGCCATGGGTGCACTCTCTGCTGCGCATCTGTGCCAT
CATCAGCGTCATCTCAGTGTGCATGAACACACCTATGACCTTCGAGCACTATCCTCCCCTCAGTATGTG
ACCTTCACCCTGGACACTTTACTGATGTTTCTCTACACTGCAGAGATGATAGCAAAGATGCACATACGGG
GAATTGTCAAGGGCGATAGCTCCTATGTGAAGGACCGCTGGTGTGTTTTGATGGATTCATGGTCTTTTG
CCTTTGGGTTTCTCTCGTGTACAGGTGTTTGAATAGCTGACATAGTTGATCAGATGTCACCTTGGGGC
ATGCTGCGGATCCACGGCCACTCATTATGATCCGGGCTTTCAGGATTTATTTCCGATTCGAACTGCCAA
GGACCCGAATTACAAACATTTTAAAGCGGTGAGGAGAACAAATATGGAGTGTCTCAATCTTCTCTCTCT
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GCTGGGTACAGTGGCTTTAATGAGATAGGCACGAGTATATTCACAGTCTATGAGGCTTCATCTCAGGAA
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CGCTGATTTTCTCCTTGCTGGCTTGCAAGAATGTGTTTATTGCTGTCATCATTGAGACATTTGCAGA
AATCAGAGTACAATTTCAACAAATGTGGGAACTCGGAGCAGCACAATTCCTACTGCCACCACGCAGATG
TTCCATGAAGATGCTGCCGGTGGCTGGCAGCTGGTAGCTGGATGTCAACAAGCCCCAGGGACGTGCC
CAGCCTGCCTACAGAAAATGATGCGGTTCATCAGTTTTCCACATGTTTATCCTGAGCATGGTACTGTGGA
TGTAATAGTTGCTGCCAGCACTACTACAAGGGAGAGAACTTCAGAAGGCAGTATGACGAGTTCTACCTT
GCAGAGGTGGCTTTTACAGTTCTTTTGTCTGGAAGCACTTCTGAAGATATGGTGTGGGGTTTACTG
GCTACATCAGCTCATCTCCACAAGTTTGAAGTACTTCTGGTTATTGGGACAACCTCCATGTATACCC
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GCATTGGAAGATTTTGTGTACAAGATATTTGGTCCCGGAAAAAACTTGAAGCTTGGTGGTGTTCCTG
 CCAGTCTCCTGATAGTTATGTCCGCATCAGTTTGCAGATGTTCTGCTTCGTGCGAAGAACTGGACAGATT
 CACCACATTTCCAAGGGCATTATGTCCATGTTCCAGATCCTCACCCAGGAAGGATGGGTGGATGTGATG
 GATCAGACTCTGAATGCTGTGGGCATATGTGGCTCCACTGGTTGCCATCTATTTATCCTCTACCATC
 TCTTTGCAACGCTGATCCTCCTGAGTTTGTGGTGTGTTATTTGGACAACTAGAACTTGATGAAGA
 TCTAAAGAAGCTCAACAATTAACAACAAAGTGAAGCGAACGCAGATACCAAAGAAAAACTCCTTTGCGC
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 AAATACATTGATCAAAAACCTCCGCAAGTCTGTTTTCAGCATAAGGGCAAGGAACCTTCTGAAAAAGGAGA
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 GCTGACGGTAGATCAGAGAAGATGGGAAGATCTCAAGAGCAGATTGAAGATCGCACAGCCTCTTCATCTC
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 GACAGTTCCTTTGGCAACCATGTCGGTCTGTTACCTTCATCTTTGCTTAGAGGTTACAATGAAGATC
 ATAGCAATGTCACCAGCTGGTTTCTGGCAAAGCAGAAGAAACCGATATGATCTCTTGGTGAAGTCTCTTG
 GTGTTGTGTTGGTGGTGTCCATTTTGTCTGCTGAATGCATACACCTACATGATGGGAGCCTGTGTGAT
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 AGCATGTACAAGAGCTTCTTTATCATCGTAGGAATGTTTCTCTTGTGCTGTGCTATGCCTTTGCTGGG
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 CAGCCTCCATTTGTAAGTCTGATGAATTTACATATTGGGCAACAGACTGTGGCAATTATGAGGGGAC
 TTATGACTTCTGCTCATTCTATGTCATCATCGCTACATCATGCTGAATCTACTGTAGCCATAATTGT
 GGAGAATTTCTTTGTTTTATTCCACTGAAGAGGACCAGCTTTTGTGTTACAATGATCTTCGCCATTTT
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 GGCTACTGCGTGGGAGGCTAGAAGTGGACCTTGATAAAGACAAGCTCCTGTTAAGCACATGTGCTATGA
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 AGTCAAGCAGTCAGCAGCAGCTCTTGTGAGCCCTACTCTGTGACAGAGAGGAGGAAGTGCACAGGATGCAGC
 AGATACTGGGAAACCCAAAGAAAGATTGGGCAATGGCGTCTGCCCTCAGCTCCAAACCAATAAGCCAT
 TCTGTGCTTCGGTTAACCTACGGTTGGAGGAAGGACAACAATGAAGTCTGTGGTGTGCAAGATGAACC

CCATGCCAGACACAGCTTCCTGTGGCTCCGAAGTTAAAAAGTGGTGGACCAGACAGCTGACTGTGGAGAG
TGACGAGAGTGGAGATGACCTCCTAGATATCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_153630
Insert Size:	5214 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:	<u>NM_153630.1</u> , <u>NP_705894.1</u>
RefSeq Size:	6779 bp
RefSeq ORF:	5214 bp
Locus ID:	266760
UniProt ID:	<u>Q6Q760</u>
Cytogenetics:	15q25
Gene Summary:	may act as a voltage activated cation channel [RGD, Feb 2006]