

Product datasheet for RN203004

Cacna1i (NM_020084) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cacna1i (NM_020084) Rat Untagged Clone
Tag: Tag Free
Symbol: Cacna1i
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN203004 representing NM_020084
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGACAGCAACTTACCGCCCTCATCTGCAGCAGCCCCGGCCCTGAGCCGGGAATCACTGAGCAGC
 CGGGGCCCGGAGTCCCCCTCCATCCCCCTCCAGGCTGGAGGACCAATTGGAAGGAACCAACCTGACGT
 CCCACATCCAGACCTGGCTCCTGTTGCTTTCTTCTGCCTGCGCCAGACCAGGCCACGGAAGTGGTGC
 ATCAAGATGGTTTTGTAACCCGTGGTTCGAGTGTGTGAGCATGCTGGTTATTCTGCTGAACGTGTGACCC
 TGGGCATGTACCAGCCATGTGATGACATGGAGTGCCTGTCGGACCGTTGCAAGATCCTGCAGGTCTTCGA
 TGACTTCACTTTCATCTTCTTTGCCATGGAGATGGTGTCTAAGATGGTGGCCCTGGGCATTTTTGGCAAG
 AAGTGCTACCTCGGAGACACATGGAACCGCCTGGATTTCTTATTGTCATGGCAGGGATGGTTGAGTACT
 CTCTGGACCTACAGAACATCAACCTGTCAGCCATCCGCACTGTGCGTGTCTGAGGCCTCTCAAAGCCAT
 CAACCGTGTACCCAGCATGCGGATCCTGGTGAACCTGTGCTCGACACGCTGCCATGCTGGGGAACGTG
 CTCCTGCTGTGTTCTTCTGCTTCTTTCATCTTCCGCATCATTGGCGTGCAGCTCTGGGCAGGCTGCTAC
 GGAACCGCTGCTTCTGGAAGAGAACTTACCATACAAGGGGATGTGGCCCTGCCCTTATTACCAACC
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 ATCCCCCACTGAAGGAGCAGGGCCGGGAATGCTGCCTGTCCAAAGATGATGTGTATGACTTCGGGGCGG
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 GTGATCACTCTGGAAGGCTGGTGGAGATCATGTAATGTGATGGACGCACATTCTTTACAACCTTCA
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 CCAGTTCTCTGAGACCAAGCAACGGGAGCACCGGCTGATGCTGGAGCAACGCCAGCGCTACCTGTCTCC
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 GGGGACACCAGCCCTGCCAAGCCTGGGCCCATGCCAAGGAGCCAGCCACTGCAAGCTGTGCCACGA
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 GCAGCTGCCCTACTGCCAGCACGAGGCAGGCAGGCGGCCCTTGGCCTGGGCGAGCACTGACTCAGGCCA
 GGAAGGCTCAGGTTCTGGTGGCTCTGCAGAGGCCGAAGCCAATGGGGATGGACCCAGAGCAGTGAGGAT



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GGGGTCTCCTCGGACCTGGGGAAGGAGGAGGAACAGGAGGACGGGGCAGCCCGACTGTGTGGGGATGTGT
GGCGGAGACACGAGAAAAGCTGCGGGGCATCGTGGACAGCAAGTACTTCAACAGAGGTATCATGATGGC
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GAGGCTGAGGAGGCGCGGAGGCGTGAGGAGAAACGGCTGCGGCGCCTGGAAAAGAAGCGCCGTAAGGCTC
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AGATGGATGCTGAGATCGAGCTGGAGATGGCCATGGCCTCGGCCCTGCCCTGGCCCTGCCCTGGTCC
CTGCCCTGCCCTGGCCCTAGCCCTGTCTGGCCGAGGCTGCCCGCTAGTTCTCTAGGGGCTACC
GGGGCAGGATCGGGAGGGGCAGGTGCTGGAGGCGACCCGAGAGTCACTGTGCCGAGCACTCGTATT

CTCCAGCCCAGGAGACCCTGTGGCTGGACAGCGTCTCTTTAATCATCAAGGACTCCTTGGAGGGGAGCT
 GACCATCATTGACAACCTGTCTGGGTCCGTCTCCACCACTACGCCTCACCTGACGGCTGTGGCAAGTGT
 CACCATGACAAGCAAGAGGTGCAGCTGGCTGAGACAGAGGCCCTTCTCCCTGAACCTCAGACAGGTCTTCAT
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 GGGTGAGCTGGACCCACCTGAGCCCATGCGTGTGGGAGACCTGGGCGAATGCTTCTTCCCCTTGCTCT
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 TCACCAGACTCCATGGACCCCTCTGATGAGGAGGGCCGCGGGGCGCAGGTGGCGGGGTGCAGGCAGT
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 CCGGCCTACCCAGCCAGGAAGTTCAACAGTACCAGCAGCCTGGCCGCTGGACCTGGCCGCTCTGGCTC
 CACTGTCTCAGCCCGTGGTCTGGTCAAGCCCTCATGGGCTGCAGACCGCAGCAAGGCCACCAGGC
 CAAGCTCAGCTGGTCTCAGGCTTGGGCTCTCAGCACCCGGGCCAGCCACCTCCCGGGGAGTCAACTG
 ATGCTGCGAGCAAAGGAAGAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_020084

Insert Size:

6606 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:

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_020084.3](#), [NP_064469.3](#)

RefSeq Size:

6709 bp

RefSeq ORF:

6606 bp

Locus ID:

56827

UniProt ID:

[Q9Z0Y8](#)

Cytogenetics: 7q34

Gene Summary: low voltage-activated calcium channel subunit; important for calcium ion transport into nerve, muscle and endocrine cells [RGD, Feb 2006]