

## Product datasheet for RN217766

### Cacna1b (NM\_001195199) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cacna1b (NM\_001195199) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cacna1b  
**Synonyms:** Bill  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN217766 representing NM\_001195199  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTCCGCTTCGGGGACGAGCTAGGCGGCCGCTATGGGGCACCGCGGGGAGCGGGCTCGGGCCG  
 GCGGGCCCGCGGGCCGGTGGCCCGGCCAGGGGGTCTGCCCGCGGGCAGCGGGTCTGTACAAGCA  
 GTCCATTGCGCAACGCGCACGGACCATGGCCCTGTACAACCCATCCCAGTCAAGCAGAAGTCTTACC  
 GTCAACCGCTCGCTCTTGTCTTTCAGCGAGGACAACGTGCTCCGCAAAATGCTAAGCGCATCACCGAAT  
 GGCCGCCCTTCGAATATATGATCCTGGCCACCATCATCGCAACTGTATTGTCCTGGCCCTGGAGCAGCA  
 CCTCCCTGATGGGGACAAGACTCCCATGTCTGAACGACTGGATGACACGGAACCTTACTTCATCGGCATC  
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 GTGGTGTCAAGTCCATCATGAAGGCCATGGTCCCGCTGCTGCAGATCGGGCTGCTGCTCTTCTCGCCA  
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 TGCGTGGTGGCCCTGAACACGTTGTGTGTGGCCATGGTACACTATAATCAGCCTCAGCGGCTTACCCTG



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CACTGACTTTGCAGAGTTTGTTCCTGGGTCTCTCCTCACAGAGATGTCCTTGAAGATGTACGGTCT  
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CAATTTCGAATACCTCACGCGGGATTCTTCCATCCTAGGGCCGCACCACCTCGATGAATTCATTCGCGTC  
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 TGTCGCCACCTCTGGGTTTGGGGAAGAAATGCCCGGCTCGAGTTGCATACAAGCGCTGGTTTGAATGAA  
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 GACAGTGGGGAAGTCTATGCGGCTCTCATGATATTTGACTTCTACAAACAGAAAACCCACCAGAGAT  
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 CCTCAGCAATGGGGGCGCCATACAAACCCAGGAAAGTGGCATCAAGGAGTCCCTGTCTGGGGCACGAG  
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 GGCAGCCAGGAGCACTGGCTGTAGATGTCCAGATGCAGAACATGACATTGAGAGGACCGGATGGGGAGCC  
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 GCTGCAGGATCTGGCCTGCCCATGGAGAAGGGTCCACAGGCTGCCGGCGGGAGCGTAAGCAAGAGCGAG  
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 CTTTGGGAGCCGGGAGCCCCACAACCTAAGCCCTCCCTCAGTAGCCACCCCATATCGCCAACAGCGGCA  
 CTAGAGCCAGGACCCACCCGAGGGCAGTGGTTCCGTTAATGGGAGCCCTTGATGTCAACATCTGGTG  
 CTAGCACGCCGGGCGAGGTGGGCGGAGGACGCTCCCCAGACTCCCCTGACCCACGCCCCAGCATCAC  
 CTACAAGACGGCAATTCCTCGCTGTCCACTTTGCTGAGGGTCAGAGTGGCCTTCCAGCCTTCTCCCCT  
 GGCCGCTCAGCCGCGGCTTTCTGAACACAATGCCCTGCTCCAGAAAAGGCCCTGAGCCAGCCTCTAG  
 CTTCTGGCTCCCGCATTGGCTCTGACCCTTACCTAGGGCAGCGTCTGGACAGTGAAGGCTCTGCCACAA  
 CCTGCCTGAGGATACACTCACCTTTGAAGAGGCGTGGCCACCAACTCTGGCCGCTCCTCCAGGACTTCC  
 TATGTGCTCCTCCTCACTTCCCAATCCCACCCTCTCCGCCGTGTACCCAATGGCTACCACTGCACCTTGG  
 GACTCAGCACCGGCTCCGGGCGGCGCACAGCTACCACCACCCAGACCAGGATCACTGGTGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001195199
- Insert Size:** 7065 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001195199.1](#), [NP\\_001182128.1](#)

**RefSeq Size:** 7065 bp

**RefSeq ORF:** 7065 bp

**Locus ID:** 257648

**Cytogenetics:** 3p13