

## Product datasheet for **RN207940**

### **Cacnb2 (NM\_053851) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cacnb2 (NM_053851) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cacnb2
Synonyms:	Cacnlb2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN207940 representing NM\_053851  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGTCTCGGGCTGGTACATCGCCGGCAGTACGGGTGTCCTATGGTTCGGCAGACTCTACACCA  
 GCCGCCATCCGATTCAGATGTGTCTTTGGAAGAGGACCGGGAGGCAGTCCGTAGAGAAGCTGAGCGGCA  
 GGCCAGGCCAGTTGAAAAAGCAAAGACAAAACCTGTTGCATTTGCAGTTCGGACCAATGTCAGGTAC  
 AGCGCAGCCAGGAGGATGACGTCCCGGTGCCCGCATGGCCATCTCATTGAGGCAAAAGATTTCTGC  
 ATGTTAAGGAAAAATTAATAATGACTGGTGGATAGGACGGCTGGTTAAAGAAGGCTGTGAAATCGGATT  
 TATTCAGCCCGGTCAAAGTACAGAACATGAGGCTACAGCATGAACAGAGAGCAAGCAAGGAAATTC  
 TACTCCAGTAAATCAGGAGGAAATTCATCATCCAGTTTGGGTGACATAGTACCCAGTTCAGAAAAATCGA  
 CACCTCCATCATCTGCTATAGACATAGATGCTACTGGCTTAGATGCAGAAGAGAATGATATTCAGCAA  
 CCACCGCTCCCCTAAGCCAGTCAAACAGTGTAAAGTCAACCCACTCCAAGAGAAAAGAAATGCCCTTC  
 TTTAAGAAGACAGAGCACACTCCTCCTTACGATGTGGTACCATCCATGAGACCAGTGGTGTGGTGGGCC  
 CCTCCCTGAAGGGTATGAGGTCACAGATATGATGCAAAAAGCACTGTTTGATTTCTAAAAACAGATT  
 TGAAGGACGGATATCCATCACAAGATCACTGCTGACATCTCCCTGGCCAAACGCTCAGTATTAACAAC  
 CCCAGTAAACAGCAATAATAGAAAAGTCCAACACAAGGTCGAGCTTAGCGGAAGTTCAGAGTGAATTG  
 AAAGGATTTTGAACCTGCAAGAACAAGTCAATTTGGTAGTCTTAGCGGGATACAATTAATCACCCAGC  
 TCAACTCAGTAAGACCTCTGCCCCATCATAGTGTATGTAAGATTTCTTCTCCTAAGGTTTACAA  
 AGGTTAATAAAATCTCGAGGAAAGTCTCAAGCAAAGCACCTCAATGTCCAGATGGTGGCAGCCGATAAC  
 TGGCCAGTGTCCCCCGCAGGAGTCATTTGATGTGATCTTGGATGAGAACCAACTTGAGGATGCTTGTGA  
 GCATCTCGCCGACTATCTGGAGGCGTACTGGAAGGCCACCCACCTCCAGCAGTAACCTCCCCAACCT  
 CTCTTAGCCGGACTTTAGCCACCTCAACTTTACCTCTGAGCCCCACCTTGCCTCTAATTCACAGGTT  
 CTCAAGGTGATCAGAGGACTGATCGCTCTGCTCCCGGTCTGCTTCCCAAGCTGAAGAAGAACCTTGTCT  
 GGAACAGTCAAAAAATCCCAACACCGTCTTCTCAGCCACACACCAAAACCACCGCAGTGGGACAGGT  
 CGAGGCCCTCTAGGCAAGAAACGTTTGACTCTGAAACCAAGAGAGCCGAGACTCTGCCTACGTGGAGC  
 CAAAGGAAGATTATTCACATGAACATGTGGACCGCTATGTTCCACACCGTGAACATAACCACAGAGAGGA  
 GAGCCACAGCAGCAATGGCCACAGGCACAGGGAGCCTCGCCACCGCACTAGGACATGGGTGAGACCAA  
 GACCACAATGAGTGCAGCAAACAACGAAGCCGGCATAAATCTAAGGATCGCTACTGTGACAAGGAAGGGG  
 AAGTAATATCAAAAAGAGGAGTGGGCTGGCGAGTGGAACAGGGATGTATACATCCGCCAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_053851
- Insert Size:** 1815 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\\_053851.1](#), [NP\\_446303.1](#)

**RefSeq Size:** 3927 bp

**RefSeq ORF:** 1815 bp

**Locus ID:** 116600

**UniProt ID:** [Q8VGC3](#)

**Cytogenetics:** 17q12.3

**Gene Summary:** auxillary subunit of the L-type Ca(2+) channel [RGD, Feb 2006]