

Product datasheet for **RN207811**

Cacnb1 (NM_017346) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cacnb1 (NM_017346) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cacnb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN207811 representing NM_017346
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTCCAGAAGAGCGGCATGTCCCGGGCCCTTACCCACCTTCCAAGAGATCCCTATGGAGTCTTCG
 ACCCCAGCCACAGGGCAAATACAGCAAGAGGAAAGGGCGGTTCAAAGGTCAGATGGGAGCACCTCCTC
 AGATAACCACATCCAACAGCTTTGTCCGTAGGGCTCAGCAGAGTCTACACGAGCCGGCCGTGACTCC
 GACGTGTCCCTGGAGGAGGACCGGGAAGCCTTAAGGAAGGAGGCAGAGGCCAGGCCCTTAGCCAGCTCG
 AGAAAGCCAAGACCAAACAGTGGCCTTTGCTGTTGCGACAAATGTTGGCTACAATCCGTCTCCAGGAGA
 TGAGGTGCCAGTGCAGGGAGTGGCCATCACCTTTGAGCCCAAGGACTTCTGCACATCAAGGAGAAATAC
 AATAATGACTGGTGGATCGGGAGGCTGGTGAAGGAAGGCTGTGAGGTTGGTTTCATCCCGAGCCCTGTCA
 AACTGGACAGCCTTCGCCTGCTGCAGGAACAGACGCTGCGCCAAAACCGCCTCAGCTCCAGCAAGTCAGG
 TGACAACCTCCAGTTCAGTCTGGGAGATGTGGTACTGGCACCCCGCCGCCACACCCCGCCAGTGGC
 AAACAGAAGCAGAAGTCGACAGAGCACGTGCCCCCTATGACGTGGTGCCTTCCATGAGGCCCATCATCC
 TGGTGGGACCATCGCTCAAGGGCTATGAGGTAACCTGACATGATGCAGAAGGCGTTGTTTGACTTCTTGAA
 GCATCGGTTTGTATGGCAGGATTTCCATCACCCGGGTAACGGCTGACATTTCCCTGGCCAAGCGCTCGGTC
 CTCAACAACCCAGCAAAACATATCATCGAGCGCTCCAACACTCGCTCCAGCCTGGCTGAGGTACAGA
 GTGAAATCGAGCGGATCTTCGAGCTGGCCCGGACCTTGCAGCTGGTTGCCTGGACGCCGACACCATCAA
 CCACCCAGCCAGCTCTCTAAAACCTCGCTGGCCCCATCATTGTTTACATCAAGATCACATCCCCAAG
 GTACTGCAGAGGCTCATCAAATCCCGAGGGAAGTCTCAATCCAACACCTCAATGTCCAAATAGCAGCCT
 CGGAGAAGCTGGCACAGTGTCCCCCGAAATGTTGACATAATCCTGGACGAGAACCAATTGGAAGATGC
 CTGCGAGCACCTGGCGGAGTACTTGAAGCCTACTGGAAGGCCACACACCCGCCTAGCAGGACGCCACCC
 AATCCGCTGCTGAACCGACCATGGCTACCGCCGCTCTGGCTGTGAGCCCTGCCCCGCTCTCAACCTCC
 AGGGACCTACCTTGTTCGGGGACCAGCCGCTGGACCGGGCCACTGGGGAGCATGCCAGTGTGCACGA
 GTACCCCGGGGAGCTGGGCCAGCCCGAGGCTTTACCCAGCAACCACCCACCTGGCCGGGAGGACCC
 CTGTGGGCGCTATCCCGCAAGACACCTTTGATGCTGACACCCCGGGAGCCGAAACTCTGTCTACACGG
 AGCCAGGAGACTCGTGTGTGGACATGGAGACAGACCCCTCAGAGGGCCAGGGCCTGGAGACCCTGCAGG
 GGGAGGTACACCACAGCTCGGCAGGGCTCCTGGGAAGAGGAGGAAGATTATGAGGAGGAGATGACCGAC
 AACAGGAACCGGGCCGGAATAAGGCCGCTACTGTGCGGAGGGTGGTGGCCGGTTCTGGGGCGCAATA
 AGAATGAGCTGGAGGGCTGGGGACAAGGCGTCTACATCCGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1349_c06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_017346

Insert Size: 1794 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_017346.1](#), [NP_059042.1](#)

RefSeq Size: 3293 bp

RefSeq ORF: 1794 bp

Locus ID: 50688

UniProt ID: [P54283](#)

Cytogenetics: 10q31

Gene Summary: may act as a regulatory component of a neuronal calcium channel [RGD, Feb 2006]