

Product datasheet for **RN211904**

Cacnb3 (NM_012828) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cacnb3 (NM_012828) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cacnb3
Synonyms:	CACH3B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211904 representing NM_012828
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATGACGACTCTACGTGCCGGGTTTGAGGACTCGGAGCGGGTTACGCCACTCCTACACCAGCC
 GCCCTCTCTGGACTCAGACGTTTCCCTGGAGGAGGACCGGAGAGTGCCCGCGAGAAGTGGAGAGTCA
 GGCTCAGCAGCAGCTGGAAGAGCCAAGCACAAACCTGTGGCATTGCTGTGAGGACCAATGTCAGCTAC
 TGTGGAGTTCTGGATGAGGAATGCCAGTCCAGGGCTCTGGAGTCAACTTCGAGGCCAAAGATTTTCTGC
 ACATTAAGAGAAGTACAGCAATGACTGGTGGATCGGGAGGCTAGTAAAAGAAGTGGCGATATTGCCTT
 CATCCCCAGCCCCAACGCCTGGAGAGCATCCGGCTCAAACAGGAACAGAAGGCCAGGAGATCCGGGAAC
 CCTTCCAGCCTGAGTGACATTGGCAACCGACGTTCCCTCCTCCATCTCTAGCCAAGCAGAAGCAAAGC
 AGCGGAAACATGTCCCCCGTATGATGTGGTGCCTCCATGCGGCTGTGGTGTGGTGGGACCCTCTCT
 GAAAGTTATGAGGTCACAGACATGATGCAGAAGGCTCTCTCGACTTCCTTAAACACAGTTTGTATGGC
 AGGATCTCCATCACCCGGTACGGCTGACCTCTCACTGGCCAAGCGCTCTGTGCTCAACAATCCTGGCA
 AGAGGACCATCATCGAGCGCTTCTGCCCCGCTCCAGCATTGCTGAGGTGCAGAGTGAGATTGAGCGCAT
 ATTCGAGCTGGCCAAATCCCTGCAGCTAGTGGTGTGGATGCTGACACCATCAACCACCCAGCACAGCTA
 GCCAAGACCTCACTGGCCCCATCATCGTCTTCGTCAAAGTGTCTCGCCAAAGTACTGCACGCGACTGA
 TCCGCTCCAGGGGAAGTCCCAGATGAAGCACCTCACTGTACAGATGATGGCATATGATAAGCTGGTTCA
 GTGCCACCTGAGTCATTTGATGTGATTCTGGATGAGAACCAGCTGGACGACGCCTGTGAGCACCTAGCT
 GAATACCTAGAGGTTTACTGGCGCGCTACCCACCACCCAGCACCCGGGCCCGGGATGCTGGTCCGCCCA
 GTGCCATCCCTGGACTTCAGAACCAGCAGCTGCTGGGGAGCGAGGTGAGGAGCATTACCCTGGAGCG
 GGACAGTTTGTGCCCTCGGATGAGGCCAGTGAGAGCTCCCGCCAGGCCTGGACCGGATCTTACAGCGC
 AGCTCCCGCCATCTGGAGGAGGACTATGCAGATGCCTACCAGGACCTGTACCAGCCTCACCGTCAACACA
 CCTCGGGGCTACCCAGTGCTAACGGGCATGACCCCAAGACCGGCTCCTAGCCCAGGACTCGGAGCATGA
 CCACAATGACCGAACTGGCAGCGTAACCGCCTTGGCTAAGGACAGCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1299_f11.zip

Restriction Sites: SgfI-MluI

ACCN: NM_012828

Insert Size: 1455 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_012828.2](#), [NP_036960.1](#)

RefSeq Size: 2520 bp

RefSeq ORF: 1455 bp

Locus ID: 25297

UniProt ID: [P54287](#)

Cytogenetics: 7q36

Gene Summary: subunit of a voltage-gated calcium channel that modulates activity of alpha 1 subunits [RGD, Feb 2006]