

Product datasheet for **MC201619**

Cacnb4 (NM_146123) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cacnb4 (NM_146123) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cacnb4
Synonyms:	3110038O15Rik; Cchb4; lh
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC026479 sequence for NM_146123
 ATTTTTCTTTTAAAGCTCTAGCTGTGGTTTCTGCAGCAATTTTGTTTTGCCTTAAAAGAGGTGCTGTGG
 ATTATTACACCTCCATGTATGACAATTTGTACCTGCATGGAGTTGAAGACTCGGAGGCTGGGTGAGCAGA
 TTCCTATAACAAGCAGGCCATCGGACTCCGATGTCTCCTTGAAGAGGACCGGGAAGCGATCCGGCAAGAG
 CGAACAAGCAAGCAGCTATCCAGCTTGAGAGAGCGAAGTCCAAACCTGTAGCTTTTGGGTGAAAACGA
 ACGTGAGCTACTGTGGTGCCTGGACGAAGATGTGCCCTTCCCAGCACAGCCATCTCCTTTGACGCCAA
 GGACTTTCTTACATTAAGAGAAAATATAACAATGATTGGTGGATAGGAAGACTGGTAAAAGAGGGCTGT
 GAGATTGGCTTCATCCCAAGTCCACTGCGCTTGGAGAATATTTCGATTCAACAGGAACAGAAAAGAGGCC
 GTTTTCATGGCGGAAAATCGAGTGGAACTCTTCTCCAGTCTGGGAGAAAATGGTATCAGGAACATTCCG
 AGCAACTCCCACAACAACAGCAAAAACAGAAAGCAGAAAAGTACGGAGCACATTCTCCGTATGACGTCGTG
 CCGTCAATGCGTCCTGTGGTGTAGTGGGGCCATCACTGAAAGGTTATGAGGTAACAGACATGATGCAGA
 AAGCCCTCTTTGATTTCTGAAGCACAGGTTTGTGGGAGGATATCAATAACAAGAGTGACAGCTGACAT
 TTCTCTTGCTAAGAGATCTGCTCAACAATCCTAGCAAGAGAGCAATAATTGAACGTTCCAACACCAGA
 TCCAGCTTAGCGAAGTACAAAGTAAAATTGAAAGAATTTTGGAGTTGGCAAGATCTTTGCAATTGGTTG
 TTCTTGATGCAGACACCATCAACCACCCAGCACAGCTGATAAAGACATCCTTAGCACCCATCATCGTCCA
 CGTGAAGTCTCGTCCCCAAAGTTTTACAGCGGCTGATTAAGTCCAGAGAAAAGTCCCAAAGCAAACAC
 TTGAATGTTCAACTGGTGGCGGCCGATAAACTGGCCCAGTGGCCGCTGAAATGTTTGTATTTATATTAG
 ATGAGAATCAACTTGAGGATGCCTGTGAACATCTGGGAGAGTACCTGGAGGCATACTGGCGTGCCACCCA
 CACGAGCAGTAGCACCCCTATGACCCCATTAAGTGGGGCGGAACGTGGGCTCCACAGCCCTCTCACCATAT
 CCCACAGCAATCTCTGGATTACAGAGTCAGCGAATGAGACACAGCAACCATTCTACAGAGAATTTCTCAA
 TTGAAAGACGAAGCCTAATGACCTCGGATGAAAATTACCACAATGAGAGGGCCCGCAAGAGTAGGAACCG
 CTTGTCTTCCAGTCCCAGCACAGCCGAGACCCTACTGCTGGTGGAAAGATTACCCGACTCGTAC
 CAGGACACTTATAAGCCCATAGGAACCGAGGATCGCCCGGGGGTGCAGCCATGACTCCCGACATAGGC
 TTTGAGGCTGCCGAAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACA
 TTTGAGGCTGCCGAAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACA
 GCTATTAACCAAGTCATCTTAATTTGGCAAGCACAGCACAGTATCTGCTGTGGTGGGCTGCTGTCATT
 TGATCCTAGGGCAAGAATTAATAGAAAGTACATTATGCCCTTGTAGTCTAGATGGGTATTAGATGCCCGA
 TTATATAGGTATTTTAAAGTGCTACATTTACATGATAACAGTACCTTTTGTTCATAGATTTTAGA
 CACATCAATTTGTAATTTAGGGTACTTATCAAGGCACATATAAAATAATTTCCCGTGTAGGAAAATCCAA
 ATGACCAGTCCAGTTGGAACCAATTTATAAACCAATTCCTGTTGGAATTTGGTGAATTGACTGGAAGG
 TCTACTAGAGCATGTTGAAATCAATTGAAAAATCAGAAAAAGAAAATATCCAATAAAGAAATCAAAAAT
 TAATTGAAACCAACCCAGCTGTGGAATTTATTTGCTGGAAGCTAAATTTACACTTCAAGTTGGAATGTA
 TAAACATTTTAATAATATGTTAATGCTGCCAGAATGGCTTTTCAAACCTACCAAATATATTGATAGTGCC
 AAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_146123

Insert Size: 1461 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: [BC026479](#), [AAH26479](#)

RefSeq Size: 2188 bp

RefSeq ORF: 1461 bp

Locus ID: 12298

UniProt ID: [Q8R0S4](#)

Cytogenetics: 2 29.98 cM

Gene Summary: The beta subunit of voltage-dependent calcium channels contributes to the function of the calcium channel by increasing peak calcium current, shifting the voltage dependencies of activation and inactivation, modulating G protein inhibition and controlling the alpha-1 subunit membrane targeting.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR and lacks a portion of the 5' coding region compared to variant 1. This results in the use of a downstream start codon. The resulting protein (isoform b) is shorter and has a distinct N-terminus compared to isoform a.