

Product datasheet for **RN213444**

Cacna1e (NM_019294) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cacna1e (NM_019294) Rat Untagged Clone
Tag: Tag Free
Symbol: Cacna1e
Synonyms: CACHA1E; Cav2.3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN213444 representing NM_019294
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTCGCTTCGGGGAGGCGGTGGTCTGGCAGACCAGGCTCAGGCGATGGAGACTCGGACCAGAGCA
GGAACCGACAAGGAACCCCGTACCGCCCTCGGGCCGGCGCCCTACAAGCAGTCAAAGCGCAGAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_019294
- Insert Size:** 6888 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_019294.2](#), [NP_062167.2](#)

RefSeq Size: 6973 bp

RefSeq ORF: 6888 bp

Locus ID: 54234

Cytogenetics: 13q21

Gene Summary: T-type low voltage-activated calcium channel that may be involved in neuronal firing [RGD, Feb 2006]