

Product datasheet for **MC212311**

Cacng5 (NM_080644) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cacng5 (NM_080644) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cacng5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212311 representing NM_080644
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCGCCTGTGGGAGGAAGGCCCTGACCCTGCTGAGCAGCGTCTTTGCCGTCTGCGGCCTGGGGCTGC
TGGGTATCGCGGTCAGCACGGACTACTGGCTCTACCTGGAAGAAGGCATAATCCTCCACAGAACCAGAG
CACAGAGGTCAAGATGTCCCTGCACTCGGGCCTCTGGCGGTCTGCTTCCCTCGCTGGTGAGGACGAGGA
CGCTGTTTTACCATAGAGTATGTGATGCCCATGAACTCCAGATGACGTCAGAATCCACTGTCAATGTTT
TAAAAATGATTCGCTCAGCCACGCCGTTCCCCCTCGTCAGCCTCTTCTCATGTTCAATGGGTTTATCCT
GAGCAACATCGGGCACATCCGTCCGACCCGACCATACTGGCCTTTGTCTCCGGCATCTTCTTTATCCTC
TCTGGCCTCTCTTGTGGTGGGCTGGTGTACATCTCCAGCATCAATGACGAGATGCTCAACAGAA
CCAAGGATGCAGAGACCTATTTCAACTACAAGTATGGATGGTCATTTGCCTTTGCTGCCATCTCCTTCT
TTAACAGAGAGTGTGGGGTGTGTCTGTGTACCTGTTTCAAGAGGTACTGCTGAGGACATGTAC
AGACCTCACCCAGGCTTCTACCGCCACGCTGAGCAACTGCTCCGATTACTCTGGCCAGTTTCTACATC
CAGATGCCTGGATCCGGGGCCGAGCCCTCGGACATCTCCAGCGACGCCTCGCTACAGATGAACAGCAA
CTACCCAGCTTTGCTCAAGTGCCAGACTATGACCAGATGTCATCATCTCCCTGC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_080644
Insert Size: 828 bp



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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:	<ol style="list-style-type: none">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_080644.3 , NP_542375.1
RefSeq Size:	3678 bp
RefSeq ORF:	828 bp
Locus ID:	140723
UniProt ID:	Q8VHW4
Cytogenetics:	11 E1
Gene Summary:	<p>Regulates the gating properties of AMPA-selective glutamate receptors (AMPA receptors). Modulates their gating properties by accelerating their rates of activation, deactivation and desensitization. Displays subunit-specific AMPA receptor regulation. Shows specificity for GRIA1, GRIA4 and the long isoform of GRIA2. Thought to stabilize the calcium channel in an inactivated (closed) state (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains a different segment for its 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.</p>