

Product datasheet for MC208209

Cacng2 (NM_007583) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cacng2 (NM_007583) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cacng2
Synonyms: AW060990; B230105C07Rik; B930041E13Rik; stargazer; stargazin; stg; wag; waggler
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208209 representing NM_007583
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGCTGTTTGATCGAGGTGTTCAAATGCTTTTAACCACCGTTGGTGCTTTCGCTGCCTTCAGCTTGA
 TGACCATCGCTGTGGAAACCGACTATTGGCTGTACTCCAGAGGGGTTTGAAGACAAAAGTGTCAGTGA
 GAATGAAACCAGCAAGAAGAACGAGGAAGTTATGACCCATTCGGATTATGGAGAACCTGCTGCCTCGAA
 GGGAACTTCAAAGGTCTGTGCAAGCAAATCGACCACTTTCGGAAAGACCGGGACTACGAAGCTGACACCG
 CAGAGTATTTCTCCGGCCGTGAGGGCTCGAGTATCTCCCGATCCTGAGTGTGATCCTGCTTTTCAT
 GGGTGGCCTCTGCATCGCGCGGAGCGAGTTCTACAAGACACGCCACAACATCATCCTGAGTGTGGCATC
 TTCTTCGTGTCTGCAGGTCTTAGTAATATCATCGGGATCATCGTGTATATATCAGCCAATGCTGGAGACC
 CCTCAAGAGTGACTCAAAAAGAACAGCTACTCCTACGGCTGGTCTTCTACTTCGGGGCCCTGTCCTT
 CATCATCGCCGAGATGGTCGGGGTGTGGCCGTGCACATGTTTATCGACCGCCACAACAGCTGCGGGCC
 ACGGCCCGCGCCACCGACTACCTCCAGGCTCCGCCATCACCCGATCCCAGCTACCGCTACCGCTACC
 AGCGCCGACCGCTCCAGCTCGCGCTCCACCGACCCCTCACTCCAGAGACGCCTCGCCGTGGGCGT
 GAAGGGCTTCAACACCCTGCCGTCCACGGAGATCTCCATGTACACCCTCAGTAGGGACCCCTGAAGGCT
 GCCACCACGCCACCGCCACCTACAACCTCGGACAGGGATAACAGCTTTCTCCAGGTCCACAACCTGTATCC
 AGAAGGACAGCAAGGACTCTCTCCACGCCAACACAGCCAACCGCCGACCGCCGTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_007583
Insert Size: 972 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_007583.2 , NP_031609.1
RefSeq Size:	2887 bp
RefSeq ORF:	972 bp
Locus ID:	12300
UniProt ID:	O88602
Cytogenetics:	15 36.92 cM
Gene Summary:	Regulates the trafficking and gating properties of AMPA-selective glutamate receptors (AMPA receptors). Promotes their targeting to the cell membrane and synapses and modulates their gating properties by slowing their rates of activation, deactivation and desensitization. Does not show subunit-specific AMPA receptor regulation and regulates all AMPAR subunits. Thought to stabilize the calcium channel in an inactivated (closed) state (By similarity). [UniProtKB/Swiss-Prot Function]