

Product datasheet for MR223026

Cacna1s (NM_014193) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cacna1s (NM_014193) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cacna1s
Synonyms: AW493108; Cav1.1; Cchl1a3; fmd; mdg; sj
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR223026 representing NM_014193
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCCGCCCTCACCCAGGACGAGGGCCTGAGGAAGAAGCAGCCGAAGAAACCTGTTCTGAGATTC
 TGCCGAGGCCCGGGCCTTGTCTGCCTGACTCTACAGAACCCCTGAGGAAGGCCTGCATCAGCAT
 CGTGGAATGAAACCCCTCGAGACCATCATCTTGCTCACCATCTTGCCAACTGTGTGGCCCTGGCAGTG
 TACCTGCCATGCCAGAGGATGACAACAACACTCTGAACCTCGGCCTGGAGAACTGGAGTACTTCTTCC
 TCATTGTCTTCCATTGAAGCCGCCATGAAGATCATAGCCTACGGCTTCTTATCCATCAGGATGCATA
 CCTGCGCAGTGGCTGGAACGTTCTGGACTTCATCATTGTCTTTCTGGGGTCTTCACTGTGATTCTGGAA
 CAAGTTAACATCATTCAAACCAACACGGCCCCATGAGCAGCAAAGGAGCCGGCTTGATGTGAAGGCC
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TACTTCATGTCCATCTTCAACCGCTTCGACTGCTTCGTGGTGTGCAGCGGCATCCTGGAGATCCTGCTGG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR223026 representing NM_014193
 Red=Cloning site Green=Tags(s)

MEPPSPQDEGLRKKQPKKPVPEILPRPPRALFCLTLQNPLRKACISIVEWKPFETIILLTIFANCVALAV
 YLPMPEDDNNTLNLGLEKLEYFFLIVFSIEAAMKIIAYGFLHQDAYLRSGWNVLDIIVFLGVFTVILE
 QVNIQNTAPMSSKAGLDVKALRAFVRVLRPLRLVSGVPSLQVVLNSIFKAMPLPFHIIALLVLFMVIY
 AIIIGLELFGKMKHKTCYFIGTDIVATVENEKSPCARTGSGRPCTINGSECRGGWPGPNHGITHFDNFGF
 SMLTVYQCISMEGWDVLYWVNDIAGNEWPWIYFVTLILLGSFFILNLVLGVLSGEFTKEREKAKSRGTF
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 VTKKLEQKSKGEGIPTTAKLKIDEFESNVNEVKDPYPSADFPGDDEEPEIPVSPRPRPLAELQLKEKA
 VPIPEASSFFIFSPNTKIRVLRCHRVNATWFTNFILLFILLSAALAAEDPIRADSMRNQILEYFDYVFT
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 EYLMFALIMLNTICLGMQHYNQSEQMNHISDILNVAFTIIFTLEMVCLKL IAFKPRGYFGDPWNVDFLIV
 IGSIIDVILSEIDDPDESARISSAFFRLFRVMRLVKLLNRAEGVRTLLWTFIKSFQALPYVALLIVMLFF
 IYAVIGMQMFGKIAMVDGTQINRNNNFQTFPQAVLLLFRCATGEAWQEILLACSYGKLCDPESDYAPGEE
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 LDVVTLRLRIQPPLGFGKFCPHRVACKRLVGMNPLNSDGTVTFNATLFAVVRTALKIKTEGNFEQANEE
 LRAIIKKIWKRTSMKLLDQVIPPIGDDEVTVGKFYATFLIQEHFRKFMKRQEEYGYRPPKDTVQIQAGL
 RTIEEEAAPEIHRAISGDLTAEELERAMVEAAMEEGIFRRTGGLFGQVDNFLERTNSLPPVMANQRPLQ
 FAEIEMEELSPVFLDFPQNPNGTHPLARANTNNANANVAYGNSSHRNPNVSSICYEREFLEADMPVT
 REGPLSQPCRASGPHSRSHVDKLRPMTQRGMPEGOVPPSPCQLSQAHPVQKEGKGTSRFLETNPSRN
 FEEHVPRNSAHRCTAPATAMLIQEALVRGGLDSLAAANFVMATGQALADACQMEPEEVEVAATELLKQE
 SPEGGAVPWEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9040_h03.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_014193

ORF Size: 5493 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

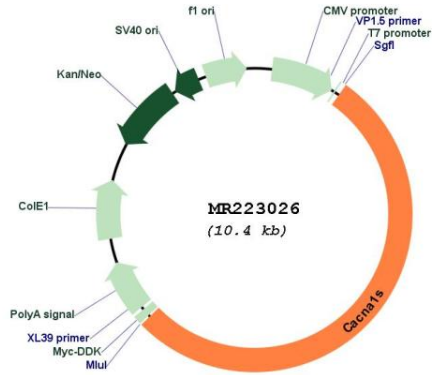
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_014193.3
 RefSeq Size: 6188 bp
 RefSeq ORF: 5496 bp
 Locus ID: 12292
 Cytogenetics: 1 59.55 cM
 MW: 208.9 kDa

Product images:



Circular map for MR223026