

## Product datasheet for MC224959

### Cacna1s (NM\_014193) Mouse Untagged Clone

#### Product data:

|                      |   |
|----------------------|---|
| Product Type:        | Expression Plasmids   |
| Product Name:        | Cacna1s (NM_014193) Mouse Untagged Clone  |
| Tag:                 | Tag Free  |
| Symbol:              | Cacna1s   |
| Synonyms:            | AW493108; Cav1.1; Cchl1a3; fmd; mdg; sj   |
| Vector:              | pCMV6-Entry (PS100001)  |
| E. coli Selection:   | Kanamycin (25 ug/mL)  |
| Cell Selection:      | Neomycin  |
| Fully Sequenced ORF: | >MC224959 representing NM_014193<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCCGCCCTCACCCAGGACGAGGGCCTGAGGAAGAAGCAGCCGAAGAAACCTGTTCTGAGATTC  
TGCCGAGGCCCGCGGGCCTTGTCTGCCTGACTCTACAGAACCCCTGAGGAAGCCTGCATCAGCAT  
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TACCTGCCATGCCAGAGGATGACAACAACACTCTGAACCTCGGCCTGGAGAACTGGAGTACTTCTCC  
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CCTGCGCAGTGGCTGGAACGTTCTGGACTTCATCATTGTCTTTCTGGGGTCTTCACTGTGATTCTGGAA  
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GCCATCATTGGGCTGGAGCTCTTCAAAGCAAGATGCACAAGACTTGCTACTTCAATGGACAGACATTG  
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TGGAGTCGGGAGCCATGTCGCCCCGGGCATCTCTGTGCTCCGCTGTATCCGCCTCTGAGGCTCTTCAA  
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 CTTCCAGTCTGACGGGTGAAGACTGGAACCTGTGATGTACAATGGGATCATGGCTTACGGAGGTCCG  
 ACCTACCCTGGTGTGCTGGTGTGCATTTATTTTCATCATCTTTTCGTCTGTGGCAACTACATCCTTCTCA  
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 TCAACCTCTTGTGGCTGTATCATGGACAACCTTGATTACCTACAAGGGACTGGTCCATTCTGGGCC  
 TCACCACCTGGACGAGTCAAGGCCATTTGGGCTGAGTACGACCCGGAGGCTAAGGGCAGGATCAAGCAC  
 CTGGATGTGGTACCCCTGCTGAGGAGGATTCAGCCCCCTCTGGGCTTTGGGAAGTTCTGCCACACAGGG  
 TAGCATGTAAGAGGCTGGTGGCATGAACATGCCCTGAACAGCGATGGCACAGTACCTTTAATGCCAC  
 ACTATTTGCCCTGGTGGCAGACCCCTCAAGATCAAGACAGAAGGCAACTTTGAACAAGCTAACGAGGAG  
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 CATGAAGCGCCAGGAGGAATATTATGGGTATCGACCCAAAAGGACACAGTTCAGATACAGGCTGGATTA  
 CGGACCATAGAGGAAGAGGCAGCTCCTGAGATCCACCGTCCATCTCTGGAGACCTGACAGCAGAGGAGG  
 AACTGGAGAGGGCCATGGTAGAGGCTGCCATGGAGGAGGGGATATCCGGAGGACGGGAGGCTGTTTGG  
 TCAAGTGGACAACCTTCTGGAAAGGACCAACTCTGCCCCCTGTATGGCAACCAAGACCCCTCCA  
 TTTGCTGAAATAGAGATGGAAGAGCTGGAGTACCAGTCTTCTGGAGGACTTCCCTCAGAACCCAGGCA  
 CCCACCCTCTTGCTCGTGCCAATACCAACAACGCCAATGCCAATGTTGCCTATGGCAACAGCAGCCATAG  
 AAACAACCAGTGTTCAGCATCTGCTATGAACGGGAGTCTTGGGAGAGGGGACATGCCTGTTACC  
 AGAGAAGGACCCCTCAGTCAGCCCTGCAGGGCCTCAGGACCTCACAGCAGATCTCATGTGGACAACTGA  
 AAAGACCGATGACCCAGAGAGGAATGCCTGAAGGCCAGGTGCCTCCTTCCCGTGCCAGCTCTCCAGGC

AGAGCATCCTGTGCAGAAAGAGGGAAAGGGCCCCACGTCACGGTTTCTGGAAACACCCAACAGCAGGAAC  
TTTGAGGAGCACGTTCCAGGAATTCGGCTCACAGGTGCACGGCTCCAGCTACTGCCATGCTGATCCAGG  
AGGCTCTGGTTCGAGGAGGACTAGACTCCTTAGCAGCAGATGCTAACTTCGTATGGCAACAGGCCAGGC  
CCTGGCAGATGCCTGCCAGATGGAACCAGAGGAAGTCGAGGTGGCAGCAACAGAGCTACTGAAGCAAGAA  
TCCCCAGAGGGCGGGCCGTGCCCTGGGAGCCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                               |   |
|-------------------------------|---|
| <b>Restriction Sites:</b>     | Sgfl-Mlul   |
| <b>ACCN:</b>                  | NM_014193   |
| <b>Insert Size:</b>           | 5496 bp   |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_014193.2</a></u> , <u><a href="#">NP_055008.2</a></u>   |
| <b>RefSeq Size:</b>           | 6188 bp   |
| <b>RefSeq ORF:</b>            | 5496 bp   |
| <b>Locus ID:</b>              | 12292   |
| <b>Cytogenetics:</b>          | 1 59.55 cM  |