

## Product datasheet for MC224160

### Cachd1 (NM\_198037) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cachd1 (NM_198037) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cachd1
Synonyms:	1190007F10Rik; AI852726; B430218L07Rik; mKIAA1573; Vwcd1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224160 representing NM_198037 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCCCGCGAGCCGGAGGAAGAGGAGACCGTAAGGCCGGCCGCTGTGGTCCGCCGCTGTCTCGCTGCC  
CTGGCTGGCCTGGGGCCCCGCGCCGCCCTTTGGCTGCTCTGCCTTGTGGCATGCTGGATCTTGGGCGC  
CGTGGCCGACGCCGACTTCTCCATCCTGGACGAGCGCAAGTGTGGCGAGCCAGATGCGGAGGCTGGCT  
GCCGAGGAGCTGGGGTGGTCAACATGCAGAGGATCTTCAATTCGTTGGTTTACACAGAGAAGATCTCAA  
ATGGAGAGAGCGAAGTTCAGCAGCTAGCCAAAAAATCCGGGAGAAGTCAACCGCTACCTGGATGTGGT  
CAATCGGAACAAGCAAGTGGTAGAAGCCTCTATACAGCCACCTGACATCCCCGCTGACCGCCATCCAG  
GACTGTGCACAATTCGCCCTCCATGATGGAGTTTGTGGAACTTCAACCAATGTATCAAGAACAG  
TGAGTTGCGATCGACTCTACTACCGTGAACAGCCGAGCCTTCAACCCAGGACGAGACTTAAATTCGGT  
TCTCGCAGACAACCTGAAATCTAACCTGGAATCAAGTGGCAATTTTCAGCTCAGAAGAAGGGATTTTC  
ACCGTCTTCCAGCACACAAGTCCGGTGAAGGGCAGCTACGAGCACCAGTCGACCCATCTACGCT  
CTACCGTCCGGCCACAGTCCAAGCAGATAGTCGTGATTCTGGACATGGGGCTCAGTCACGGACACCCA  
GCTCCAGATTGCCAAGGACGCCGCCAGGTCATCCTCAGTGCCATTGATGAGCATGACAAGATTTCTGTG  
TTGACTGTGGCAGACGCTGTGAGACCTGTTCTGGTGGACAGTGTATAGACGTACCTGTCTCCAGCCA  
CCAGTGAGACAAAAGGAAAATGTCCACATTTGTAGCAGCGTCAAGCCCTCCGACAGCCCCACCCAGCA  
CGCAGTAGGCTTTCACAGGGCTTCCAGCTGATTCGAAGCACCAGCAACAGCACTCGGTTCCAAGCAAAC  
ACAGACATGGTCATATTTACCTGTGAGCAGGCATCACATCAAAGGACTCCTCGGAAGAAGATAAAAAGG  
CGACTCTCCGCTCATCAACGAAGAAAATGGCTTTCTGAACAACCTCCGTAATGATTCTTACCTACGCCCT  
CATGAACGATGGGGTCACTGGTTTGAAGAGTTGGCGTTCCTCAGGGATCTGGCTGAACAGAAGTCTGGG  
AAGTATGGAATCCAGACCGGACAGCCTTGCCTGTGATCAAAGGCAGCATGATGGTGTGTAACAGCTGA  
GCAACCTGGAGACCACAGTCGGCAGGTTCTACACTAACCTTCCAACCGGATGATTGATGAGGCTGTCTT  
CAGCCTCCCCTTCTGTGATGAGATGGGAGATGGTTTGATAATGACTGTGAGTAAACCCTGTTACTTTGGA  
AACCTCCTCTGGGAATCGTAGGCGTGGACGTGAATCTGGCTTACATCCTTGAAGATGTGACATATTACC



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AAGACTCTTTAGCTTCTATACTTTCTCATAGATGACAAAGGTATACTCTTATGCATCCGTCTCTCAC  
 CAGGCCATACTTACTGTGACAGCCTCCCCTTACTGACATCATACATTATGAAAAATCCCAAGTTT  
 GAATTGGTTCCGGCAAAATATCCTAAGCCTCCCTCTCGGCAGCCAGATTACACTGTCCCTGTGAACCTCGT  
 CCCTGTCTTGGACATCAACAAGTTGAGGGAGACTGGGAAGGAGGCCACAACGTGAGCTACGCCGTGAA  
 GATGGTACAGGACACTTCCTTATTCTGTGATTGTGGTGATACAACCGAAATACCCGTCAAACAATTG  
 AAAACCTCAACACTGTACCGAGCAGCAAGCTCCTGTACCACCGACTGGATCTTCTGGGCCAACCCAGTG  
 CTTGCCCTCCACTTCAAGCAGCTGGCAACACTAGAAAAGTCCAACCGTCATGCTGTCTGCCGCAGCTTTTC  
 CTCCCCCTATGAGCACCTCAGCCAGCCAGAGACCAAACGCATGGTGGAGCATTACACGGCCTATCTCAGT  
 GACAACACGCGCCTCATTGCTAACCCGGGGCTCAAATTCTCTGTGAGAAATGAAGTAATGGCGACCAGCC  
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 GAGGAGCTGGCTATGTCGTGACAATCAGCCACACAATCACTCATCCAGTACACAGCTGTCTCCGGGCA  
 CACCGTGGCTGTGATGGGTATCGACTTCACTGAGGTACTTCTACAAGTTCTGATGGACCTTTACCA  
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 GGTAGCAAATGATATCCTGAACCATCCCAACTTTGTGAAGAAGAACTTGTGTAACAGCTTCAAGTACCCG  
 ACAGTGCAGAGATCTTACAAATCAACACTAGCCTGGTGGGGGATTTGACGAACCTTGTGCACCGGACCC  
 ACTGCTCTAAGTACCGCTGACAAGGATCCCAGGAACCAACGCGTTTGTCCGATCGTCAACGAGACCTG  
 CGACTCTTGCCTTCTGTGCTGACAGCATGGTGGACCGTCTCTGTCTCAACTGCCACCGAATGGAGCAA  
 AATGAATGTGAATGTCCTTGTGAGTGCCCCCTGGAGGTCAATGAGTGTACTGGCAACCTACCAATGCAG  
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 CTGGACTGCGAATGGTGTGTGGTGGACAGTGTGAAAAGACTCACCTGGACAAATCCTACTGTGCCCC  
 AGAAAAGTATGCTTCGGGGGATCGTGGGAGCCAAAAGTCCCTATGTTGATGACATGGGAGCCATCGGTGA  
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 ATCATGGTGTGGTCTTGCCTGTATGCTTACCGCCACCAGATCCATCGCCGACGCCACCAGCAGCATGT  
 CACCTCTTGTCTCAAGAAATGTCAGTGCATGTCCAACTGGAGAATGACAGAGATGAAAGAGACGA  
 TGACAGTCATGAAGACAGAGGCATCATCAGCAACACCCGGTTCATAGCTGCAGTCATGGAGCGACACGTA  
 CACAGTCCAGAAAGGAGGCGACGCTACTGGGGCCGCTCGGGAAGTAAAAGTATGATGGGTACAGCACCA  
 TGAGCCCACAGGAAGACAGCGAGAACCCTCCATGCAACAATGACCTTTGTGAGTGGGGTGGACGTAGG  
 GAACCATGATGACGACTTGGACCTGGACACCCCGCTCAGACTGCAGCCCTGCTGAGCCACAAGTTCCAC  
 CACTACCGCCACACCACCGACTCTCCATCACAGCCACCACCTGCAGGCGGAGTACCGTGCACACTG  
 TGGATGCTGAGTGCTAA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-RsrII

**ACCN:**

NM\_198037

**Insert Size:**

3867 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\\_198037.1](#), [NP\\_932154.1](#)

**RefSeq Size:** 4981 bp

**RefSeq ORF:** 3867 bp

**Locus ID:** 320508

**UniProt ID:** [Q6PDJ1](#)

**Cytogenetics:** 4 C6

**Gene Summary:** May regulate voltage-dependent calcium channels.[UniProtKB/Swiss-Prot Function]