

## Product datasheet for RN217577

### Cachd1 (NM\_001191758) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cachd1 (NM\_001191758) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cachd1  
**Synonyms:** RGD1310770  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN217577 representing NM\_001191758  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGC**C

ATGGCCCGCGAGCCCGAGGAAGAGGAGACCGTAAGGACGGCCGCTCTGGTCCGTCGCTGTCCCCGCTGCC  
 CTGGCTGGCCTGGGGCCCCGCGCCGCCCTTCTGGCTGCTCTGCCTTGTCGATGCTGGATCTTGGGCGC  
 CGTGGCGGACGCCGACTTCTCCATCCTGGACGAGCGCAAGTGCTAGCGAGCCAGATGCCGAGGCTGGCT  
 GCCGAGGAGCTGGGGTGGTCACCATGCAGAGGATCTTCAACTCCTTGGTTTACACAGAGAAGATCTCAA  
 ACGGAGAGAGCGAAGTTCAGCAGCTAGCCAAAAAATCCGGGAGAAGTTCAACCGTTACCTGGACGTGGT  
 CAATCGGAACAAGCAAGTTGTAGAAGCCTCTATACAGCCACCTGACCTCCCCGCTGACCGCCATCCAG  
 GACTGTGCACAATCCACCCTCCATGATGGAGTTTGTGGAACTTCAATACCAATGTGTCTAGAACAG  
 TGAGCTGCGATCGACTCTACTACTGTGAACAGCCGAGCCTTCAATCCAGGACGAGACTTAAATTCAGT  
 TCTTGCAGACAACCTGAAATCTAACCTGGAATCAAGTGGCAATATTTAGCTCAGAAGAAGGAATTTTC  
 ACTGTCTCCAGCACACAAGTCCGGTGTAAAGGCAGCTATGAGCACCAGTCGGCCCATCTATGCT  
 CTACCGTCCGGCCGAGTCCAAACACATAGTCGTGATCCTGGACCAGGGGCCCTCAGTCACGGACACCCA  
 GCTCCAGATTGCCAAGGACGCCGCTCAGGTCATCCTCAGTGCCATTGATGAACAGACAAGATTTCTGTA  
 TTGACTGTGGCAGACACCGTCAGGACCTGTTCTGGTGGACCAGTGTATAGACGTACCTGTCTCCAGCCA  
 CCAGTGAGACAAAAAGGAAAATGTCCACATTTGTAGCAGTGTCAAACCTCCGACAGCCCCACCCAGCA  
 CGCAGTAGGGTTTCATAGGGCTTCCAGTTGATTCGAAGCACCAGCAATAACACTCGGTTCCAAGCAAAC  
 ACAGACATGGTCATATTTACCTGTGAGCGGTATCACATCAAAGGACTCCTCGGAAGAGGATAAAAAAGG  
 CAACTCCTCGGTCATCAACGAAGAAAATGGCTTCTGAACAACCTGTGAATGATTCTTACCTACGCCCT  
 CATGAATGATGGGTGACTGGTTGAAGGAAGTGGCTTCTCAGGGATCTGGCTGAACAGAAGTCTGGG  
 AAGTATGGAATCCAGACCGGACGGCCTTGCCTGTGATTAAGGGCAGCATGATGGTGTGAACAGCTGA  
 GCAACCTGGAGACCACTGTTGGCAGGTTCTATACCAACCTTCCAACCGGATGATTGACGAGGCCGCTCT  
 CAGCCTCCCCTTCTGTGATGAGATGGGAGATGGTCTGATCATGACTGTGAGTAAACCCTGTTACTTTGGA  
 AACCTTCTCCTGGGATCGTAGGTGTGGATGTGAATCTGGCTTACATTCTCGAAGATGTGACATATTACC



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AAGACTCTTTAGCTTCTATACTTTTCTCATAGATGACAAAGGGTACACACTTATGCACCCGTCTCTCAC  
 CAGGCCATACTTACTGTGACAGCCTCCCCTTCATACCGACATCATACATTATGAAAAATATCCCAAGTTT  
 GAATTGGTTTCGACAAAATATCCTAAGCCTCCCTCTAGGCAGCCAGATCATCACAGTGCCTGTTAACTCGT  
 CCCTGTCTTGGACATCAACAAGCTGAGGGAGACTGAAAAGGAGGCCTACAATGTGAGCTATGCCTGGAA  
 GATGGTACAGGACACTTCCTTATTCTGTGATTGTGGTGATACAACCAGAAATACCTGTCAAACAATTG  
 AAGAACCTCAACACCGTACCCAGCAGCAAGCTGCTGTACCACAGGCTAGACCTTCTGGGCCAACCCAGTC  
 CTTGTCTCCACTTCAAGCAGCTGGCAACTAGAAAAGTCCAACCGTCATGCTGTCTGCCGCGAGCTTTTC  
 CTCCCCCTATGAGCACCTCAGCCAGCCAGAGACCAAGCGCATGGTGGAGCATTACACGGCCTATCTCAGT  
 GACAACACTCGCCTCATTGCTAACCCAGGGCTCAAATTCTCTGTGAGAAACGAAGTAATGGCGACCAGCC  
 ACGTCACAGATGAATGGATGACACAAAATGAAAATGAGCAGCCTGAACACGTACATTGTCCGCCGTTACAT  
 AGCAACACCCCAATGGCGTCCTCAGAATTTATCTGGTCCCTCATGGACAAAAGCATTGATCCCACGAGG  
 AGACAGTGGTATCTTTCATGCAGTAGCCAATCCAGGGCTGATTTCCCTTGACGGGCCCTTACCTAGATGTTG  
 GAGGAGCTGGCTATGTCGTGACAATCAGCCACACAATCACTCATCCAGTACCCAGCTGTCTCCGGACA  
 CACTGTGGCTGTGATGGGCATCGACTTCACACTGAGGTAATCTACAAGTTCTGATGGATCTCTTACCA  
 GTTTGTAACCAAGATGGTGGCAACAAAATAAGGTGCTTCATAATGGAGGACAGAGTTATCTGGTAGCTC  
 ATCCAACCCCTCGTTGACCCCAAAGGTCAATGCACCTCTGGAACAGCAACACATCACCCACAAGGAGCCCT  
 GGTAGCAAACGATATCCTGAACCATCCCAACTTTGTGAAGAAGAACTTGTGCAACAGCTTCAGTGACCGG  
 ACAGTGACAGATCTTACAAGTTCAACACCAGCCTGGTGGGGGATTTGACAAAACCTTGTGCATGGCAGCC  
 ACTGTTCTAAATACCGCCTGACAAGGATCCCAGGAACCAACGCGTTTGTCCGATCGTCAATGAGACCTG  
 CGACTCTTGCCTTCTGCGCTTGCAGCATGGTGGACCGTCTCTGTCTCAACTGTACCCGAATGGAGCAA  
 AATGAATGTGAATGTCCTTGTGAGTGCCCCCTGGAGGTCAATGAGTGTACTGGCAACCTACCAATGCAG  
 AGAACAGAAACCCGAGCTGTGAGGTCCACCAGGAGCCAGTGACATACACAGCTATCGATCCTGCCTGCA  
 AGATGCCCTGCACCAGTGTGCAACAGTGCATGTAACCAGAGGATGAAAAGTGGGGAGCTGTTTCGGAGTG  
 CTGGACTGCGAGTGGTGGTGGACAGTGACGGAAAGACTCACCTGGACAAAATCCTACTGTGCGCCCC  
 AGAAAGAATGCTTTGGAGGGATCGTGGGAGCCAAAAGTCCCTACGTTGATGACATGGGAGCCATCGGTGA  
 TGAGGTGATCACACTGAACATGATTAAGAGCGCCCAAGTGGGCCCTGTGGCCGGAGGGATCATGGGCTGC  
 ATCATGGTGTGGTCTTGCCTGCTACGCTTACCGCCACCAGATCCATCGCCGGAGCCACCAGCATATGT  
 CTCCTCTTGTCTCAAGAAATGTCAGTGCATGTCCTAACCTGGAGAATGACAGAGATGAAAGAGAGGA  
 TGACAGTCACGAAGACAGAGGCATCATCAGCAACTCGGTTTATAGCTGCAGTCATGGAGCGGCACGCA  
 CACAGCCCGGAAAGGAGGCGACGCTACTGGGGCCGCTCGGGAACCGAAAGTATCATGGGTACAGCACCA  
 TGAGCCCGCAGGAAGACAGTGAACCCCTCCATGCAACAATGACCCCTTGTGAGTGGGGTGGATGATAGG  
 GAACCATGATGACGACTTGGACCTGGACACCCCGCCTCAGACTGCAGCCCTGCTGAGCCACAAGTTCCAC  
 CACTACCGCTCACACCACCCGACCTCCATCACAGCCACCACCTGCAGGCGGCCGTGACAGTGCACACGG  
 TGGATGCTGAGTGCTAA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-RsrII

**ACCN:**

NM\_001191758

**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).

**OTI Annotation:**

Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

<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>NM_001191758.1, NP_001178687.1</u>
<b>RefSeq Size:</b>	4559 bp
<b>RefSeq ORF:</b>	3867 bp
<b>Locus ID:</b>	298267
<b>Cytogenetics:</b>	5q33