

## Product datasheet for SC318558

### CACHD1 (NM\_020925) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CACHD1 (NM_020925) Human Untagged Clone
Tag:	Tag Free
Symbol:	CACHD1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_020925 edited

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ATGCGGAGGCTGGCGGCCGAGGAGCTGGGGTTCGTCACCATGCAGCGGATATTCAACTCC
TTTGTTTACACTGAGAAAATCTCAAATGGAGAAAGTGAAGTACAGCAGCTAGCCAAAAA
ATCCGAGAGAAGTTCAACCGTTACTTGGATGTGGTCAATCGGAACAAGCAAGTTGTAGAA
GCATCCTATACGGCTCACCTAACCTCTCCCTAACTGCAATTCAGACTGCTGTACTATC
CCACCTTCCATGATGGAATTCGATGGGAACTTTAATACCAATGTGTCTAGAACAAATTAGT
TGTGATCGACTTCTACTACTGTTAATAGCCGGCCTTCAATCCAGGACGAGACTTAAAT
TCAGTTCTTGACAGACAACCTGAAATCCAACCTGGAATTAAGTGGCAATATTTTCAGTTCA
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CACCGCAGTAGACCCATCTACGTCTCTACAGTCCGGCCGAGTCAAAGCACATAGTAGTG
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CTGGAGACCACAGTGGGCAGTTCTACACAAACCTTCCCAACCGGATGATTGATGAAGCC
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TCTTGGCACATAAACAAGCTGAGAGAAACTGGAAGGAAGCCATAATGTTAGCTATGCC
TGGAAGATGGTACAAGACTTCTTTATTCTGTGATTGTGGTGATACAACCAGAAATA

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CCTGTGAAACAACCTGAAGAACCTCAACACTGTTCCCAGCAGCAAGCTGCTGTACCACCGG
CTGGATCTCCTTGGCCAGCCAGTGCTTGCCTCCACTTCAAACAGCTGGCAACCCCTAGAA
AGTCCCACCATCATGCTGTCTGCTGGCAGCTTTTCTCCCCTATGAGCACCTCAGCCAG
CCAGAGACAAAGCGCATGGTAGAGCACTACACCGCCTATCTCAGCGACAACACCCGCCTC
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AGCATGGTGGACCGACTCTGTCTCAACTGTCACCGAATGGAACAAAATGAATGTGAATGT
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CGAAACCCAGCTGCGAGGTCCACCAGGAGCCGGTGACATACACAGCTATTGACCCCTGGC
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CTTGCTGCCCAAGAAATGTCAGTGCATGTCCAACCTGGAGAATGACAGAGATGAAAGG
GACGACGACAGCCACGAAGACAGAGGCATCATCAGCAACACTCGGTTTATAGCTGCGGTC
ATCGAACGACATGCACACAGTCCAGAAAGAAGGCGCCGCTACTGGGGTCGATCAGGAACA
GAAAGTGATCATGGTTACAGCACCATGAGCCACAGGAGGACAGTAAAAATCCTCCATGC
AACATGACCCCTTGTGACCCGGGTTCGATGTGGGAAACCATGATGAGGACTTAGACCTG
GATACCCCCCTCAGACTGCTGCCCTACTAAGTACAAGTTCCACCACTACCGGTCACAC
CACCTACACTTCATCATAGCCACCCTTACAGGCGGCCGTACGGTACACACTGTGCGAT
GCAGAATGCTAA
    
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- Restriction Sites:** NotI-NotI
- ACCN:** NM\_020925
- Insert Size:** 5600 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:** It matches with NM\_020925.2.
- 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\\_020925.2](#), [NP\\_065976.2](#)

**RefSeq Size:** 5274 bp

**RefSeq ORF:** 3672 bp

**Locus ID:** 57685

**UniProt ID:** [Q5VU97](#)

**Cytogenetics:** 1p31.3

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** May regulate voltage-dependent calcium channels.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longer isoform (1).