

## Product datasheet for **SC117480**

### CHD1L (NM\_004284) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CHD1L (NM_004284) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHD1L
Synonyms:	ALC1; CHDL
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_004284, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCGCGCGGGCGCTACTAGCCGCGGGGGCCAAGCGCCTGGCTTCTTACTGCGGCTTCATACTGAGG
GCCGAGCCGAGGCGCGGGTGCAGGAGCAGGACTTACGGCAGTGGGGGCTGACAGGGATTACCTACG
CTCTTACCAGCTGGAGGGAGTAACTGGCTCGCCAGCGTTCATTGTGAGAATGGCTGTATCCTGGGA
GATGAGATGGGCCTGGGAAGACCTGCCAGACTATTGCTCTTCAATTTATTGGCAGGAAGATTAATG
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AAACAGGAGTCACGTTTTCATGTGCTACTGACTACCTATGAGATTTGCTTGAAAGATGCATCATTCTAA
AATCATTCCCTTGGAGTGTCTTGTGTGGATGAAGCTCACAGGTTGAAAAACCAAGCTCCCTGCTGCA
TAAGACCTTGTGAGATTCTCAGTAGTCTCAGTCTCCTGTTGACCGAACTCCCATCCAGAACAGCCTC
CAAGAGCTCTACTCCCTCCTCAGTTTTGTGGAGCCTGATCTCTTTCCAAGGAAGAGGTGGGAGATTTA
TTCAACGCTACCAGGATATTGAGAAAGAATCTGAGTCAGCAAGTGAAGTGCACAACTCTTGACGCCATT
TCTGCTGAGGCGAGTGAAAGCTGAGGTAGCTACAGAGCTTCCCAAGAAGACAGAAGTAGTGATATACCAT
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AGATGTTGGATATTCTCAAGACTATATGGATTACAGAGGCTACAGCTATGAGCGTGTGGATGGTTCTGT
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AACATGATCATAGAAGGAGGCCATTTTACTCTGGGAGCCAGAAAACCCGCTGCCGATGCTGACCTCCAGT
TGAGTGAGATACTCAAATTTGGTTTGGATAAACTGCTGGCCTCTGAGGGGAGCACCATGGATGAAATAGA
CCTGGAGTCCATCCTGGGAGAAACAAAAGATGGCCAGTGGGTCTCTGATGCCTTGCTGCAGCAGAAGGA
GGGAGCAGAGATCAAGAGGAAGGAAAAATCATATGTAATTTGAAGGTAAGATTATTCTAAAGAGC
CCAGTAAGGAAGACAGAAAATCATTGAACTAACTGGTAAACCTTCAGAAAACCTTTTGGAGAAAGCTAG
TCAAGAGGGCCGATCACTCCGAAATAAAGGCAGTGTCTCATCCAGGCCTTGTGGAGGGATCTACCAA
AGGAAGCGGGTCTGAGTCCAGAAGAGCTGGAGGACAGACAGAAGAAAAGACAAGAAGCAGCTGCCAAGA
GAAGGAGACTCATAGAGGAGAAGAGAGCAAAAGGAAGAGGCTGAACATAAGAAAAAGATGGCCTGGTG
GGAATCCAACAATTACCAGTCTTCTGCCTGCCCTCTGAGGAGAGCGAGCCAGAGGACCTTGAGAATGGG
GAAGAGAGCTCTGCTGAGCTGGATTACCAAGACCCAGATGCTACTTCCCTCAAGTACGTTAGTGGTGATG
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CAGAGTGGTTTTATTTACAGCTCTGAAAAGCGATCCGCTGAGCCAAGAAAAATATATGAGCTGGCTGGG
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GGCAAGATTTGTTGGCCTTGATTGTGGCTCAGCATCGTGATCGTCCAATGTCCTGTCTGGCATTAAAGT
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CCACGTATTGGACATGCCACGAAAGTTTTAACTGGTATGGTACTGAGCGACTTATTCGGAACATCTGG
CTGCAAGAGGCATCCCACTTACATATATTTTTCTAGAAGCAAGTCTGCTGCTTCAATTCACAGTC
TTCATCTTCTCCTCAAGACAGCTGGTGCCTTAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_004284 unedited  TGTATACGACTCCTAAGGGCGGCCGCGACTTCGGCACGAGGCCTCGTGCCGAATTCGGCA  CGAGGGCTACTAGCCGCGGGGGCCAAGCCCCTGGCTTCTTACTGCGGCTTCATACTGAGG  GCCGAGCCGAGGCGGCGGGGTGCAGGAGCAGGACTTACGGCAGTGGGGGCTGACAGGGA  TTCACCTACGCTTTACCAGCTGGAGGGAGTAACTGGCTCGCCAGCGCTTCCATTGTC  AGAATGGCTGTATCCTGGGAGATGAGATGGGCCTGGGGAAGACCTGCCAGACTATTGCTC  TCTTCATTTATTGGCAGGAAGATTAATGATGAAGGGCCATTTCTGATTCTTTGTCCCT  TGCTGTTTTGAGCAACTGGAAAGAAGAAATGCAGAGATTTGCTCCAGGCTTTCCCTGTG  TAACATATGCAGGCGACAAGGAGGAAAGAGCCTGCCTTACGCAAGACCTGAACAGGAGTC  ACGTTTTTCATGTGCTACTGACTACCTATGAGATTTGCTTGAAGATGCATCATTCTATAA  TCATTCCTGGGAGTGGTCTTTTTGTGGGATGAAGCTCACAGGTTGAAAAACCAAAGCTC  CCTGCTGATAAGACTTGNNCGAGTTCTCAGTAGTCCTCAGTCTCCTGTTGACCGAACTC  CATCCAGACAGCCTNCAGAGCNTACTCNTTCTCCAGTTTGTGGAGCCTGATCTCTTTTCA  GGGAGAGGGGGGGGAGATTTTATTCACGCTCCAGGATATTGAGAAGAATCTGAGTCAGCA  ATGGACTGCACAACTCTTGAGCCATTTTGTGGAGGCAGTGAACCTGAAGGTACTAC  GAAGCTTCCAGAAAAACAAAGGGATGATCCAGGCATGGAAGCATGGAGAAAAAATAAA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_004284 unedited  TGGACCGCGGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTAGGAACAGAA  AATTTATTATTATGCAACTAGCAAGCTGGGGTCAAAGGGCTTCCAAAAAAGTTGTGTT  TCCCTATATTACAGGTACAAAAACAGAGCAAAACATCCAGGAGAACCAAACTGAAACTCA  GAAAAGAGACAATTTCTGAGGCCACCAGATCCTGATTCCATTTTGAATACTCTATTGC  AGTACCTCTGGGTAATATTAGCTGGTTGCTAAAGACAGGATCTGAGGCTGGGCCAATTC  TTAAGGCACCAGCTGTCTTGAGGAGGAAGATGAAGACTGTGAATGAAGGACAGCAGACTT  GCTTCTAGGAAAAATAATATATGTAAGTTGGGATGCCTCTTGCAGCCAGATGTTTCCGAAT  AAGTCGCTCAGTACCATAACCAGTTAAAACCTTTTCGTGGCATGTCCAATACGTGGAAGATG  AACACTTGCTTTCTTTTCTTTTGTCTGCTAAAAATATCTTCTTCAGGCCCTCTTCTAGGGC  TGCCATCTTAATGCCAGACAGGACATTGGAACGATCACGATGCTGAGCCACAATCAAGGC  CAACAAATCTTGCCCTTTGTTTCTTGTATTCTTTATCATCAACAGGAAATAAAAGGACACC  TCCCAAACTCAGGTCTTTCATTTTCCAGCCAGCTCATATTTTTTTCTTGCTCAGCGG  ATCGCTTTTCCAGAGCTGAAATAAACACCTCTGCCCCAGTGGCCAGAGTCATCTACGCA  GTGCACAATGAGAGCATNCTCGGCCCCAGCCTGAAGGGTGGGTGACATCACCCTAACGT  ACTTGAGGAAGTAGCATCTGGGTCTTGGGAATNCAGCTCACAAGCTCTTCCATTCT  AAGTCCTCTGCTCC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_004284
<b>Insert Size:</b>	2880 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).

**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\\_004284.1](#), [NP\\_004275.1](#)

**RefSeq Size:** 3036 bp

**RefSeq ORF:** 3036 bp

**Locus ID:** 9557

**UniProt ID:** [Q86WJ1](#)

**Cytogenetics:** 1q21.1

**Domains:** SNF2\_N, DEAD

**Gene Summary:** This gene encodes a DNA helicase protein involved in DNA repair. The protein converts ATP to add poly(ADP-ribose) as it regulates chromatin relaxation following DNA damage. Overexpression of this gene has been linked to several types of cancers. [provided by RefSeq, Feb 2017]

Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.