

## Product datasheet for **SC332358**

### CHD1L (NM\_001256336) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CHD1L (NM_001256336) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHD1L
Synonyms:	ALC1; CHDL
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC332358 representing NM\_001256336.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTGTATCCTGGGAGATGAGATGGGCCTGGGAAGACCTGCCAGATTTGCTCCAGGTCTTCTCTGT
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TTCTCAGTAGTCTTCAGTCTCCTGTTGACCGAACTCCCATCCAGAACAGCCTCCAAGAGCTCTACTCC
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CTGGCTGGGAAAATGAAAGACCTGAGTTTGGGAGGTGTCTTTTATTTCTGTTGATGATAAAGAATCA
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AGTGTTCATCTTCCACGTATTGGACATGCCACGAAAGGTTTTAACTGGTATGGTACTGAGCGACTTATT
CGGAAACATCTGGCTGCAAGAGGCATCCCAACTTACATATATTTTCTAGAAGCAAGTCTGCTGTC
CTTCATTCACAGTCTTCTCCTCCTCAAGACAGCTGGTGCCTTAA
  
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001256336

**Insert Size:** 2394 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\\_001256336.1](#)

**RefSeq Size:** 2929 bp

**RefSeq ORF:** 2394 bp

**Locus ID:** 9557

**Cytogenetics:** 1q21.1

**MW:** 90 kDa

**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 (2) lacks an alternate exon in the 5' coding region which results in translation from a downstream start codon, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to 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.