

## Product datasheet for **RG234572**

### CHD1L (NM\_001256337) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CHD1L (NM_001256337) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CHD1L
Synonyms:	ALC1; CHDL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG234572 representing NM\_001256337  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCAGCATTGCAGAAGAAATACTACAAGGCCATTTTGTGAAAGACCTAGATGCATTTGAAAATGAGA  
 CGGCAAAGAAAGTTAAACTACAGAACATTTTGTCCAGCTTCGAAAGTGTGGATCACCCATATTTGTT  
 TGATGGTGTGGAGCCGGAGCCTTTTGAAGTTGGAGACCACCTGACTGAGGCTAGTGGGAAGCTTACCTG  
 CTGGATAAGCTACTAGCATTCTGTATTCTGGGGCCATCGGGTTTTACTTTTCTCCAAATGACCCAGA  
 TGTTGGATATTCTCAAGACTATATGGATTACAGAGGCTACAGCTATGAGCGTGTGGATGGTTCTGTGAG  
 AGGAGAAGAGAGACACTTGGCCATTAAGAACTTTGGACAGCAGCCATTTTCGTTTTTCTCTGAGTACT  
 AGGGCAGTGGAGTTGGCATGAACCTAACAGCAGCAGATACTGTGATTTTGTGACAGTACTTTAATC  
 CTCAGAATGACTTGAAGCAGCTGCCAGGGCTCATCGATTGGCCAAAACAAGTCTGTTAAAGTTATTTCG  
 GCTGATTGGTCGAGACTGTGGAAGAAATAGTCTATAGGAAAGCAGCCTCCAACTGCAGCTCACCAAC  
 ATGATCATAGAAGGAGGCCATTTACTCTGGGAGCCAGAAACCCGCTGCCGATGCTGACCTCCAGTTGA  
 GTGAGATACTCAAATTTGGTTGGATAAAGTCTGGCCCTCTGAGGGGAGCACCATGGATGAAATAGACCT  
 GGAGTCCATCCTGGGAGAAAACAAAAGTGGCCAGTGGTCTCTGATGCCTTGCCTGCAGCAGAAGGAGGG  
 AGCAGAGATCAAGAGGAAGGAAAAATCATATGTACTTATTTGAAGGTAAGATTATTCTAAAGAGCCCA  
 GTAAGGAAGACAGAAAATCATTTGAACAACTGGTAAACCTTCAGAAAACCTTTTGGAGAAAAGCTAGTCA  
 AGAGGGCCGATCACTCCGAAATAAAGGCAGTGTCTCATCCCAGGCCCTTGTGGAGGGATCTACAAAAGG  
 AAGCGGGTTCTGAGTCCAGAAGAGCTGGAGGACAGACAGAAGAAAAGACAAGAAGCAGCTGCCAAGAGAA  
 GGAGACTCATAGAGGAGAAGAAGAGGCCAAAAGGAAGAGGCTGAACATAAGAAAAAGATGGCTGGTGGGA  
 ATCCAACAATTACCAGTCTTCTGCCTGCCTCTGAGGAGAGCGAGCCAGAGGACCTTGAGAATGGGGAA  
 GAGAGCTCTGCTGAGCTGGATTACCAAGACCCAGATGCTACTTCCTCAAGTACGTTAGTGGTGTGTC  
 CCCACCCTCAGGCTGGGGCCGAGGATGCTCTATTGTGCACTGCGTAGATGACTCTGGCCACTGGGGCAG  
 AGGTGGTTTATTTACAGCTCTGGAAAAGCGATCCGCTGAGCCAAGAAAAATATAGAGCTGGCTGGGAAA  
 ATGAAAGACCTGAGTTGGGAGGTGCTTTTTATTTCTGTTGATGATAAAGAATCAAGAAAACAAAGGGC  
 AAGATTTGTTGGCCTTATTGTGGCTCAGCATCGTATCGTTCCAATGTCCTGTCTGGCATTAAAGTGGC  
 AGCCCTAGAAGAGGGCCTGAAGAAGATATTTTAGCAGCAAAAAAGAAGAAGCAAGTGTTCATCTTCCA  
 CGTATTGGACATGCCACGAAAGTTTTAACTGGTATGGTACTGAGCGACTTATTCGAAACATCTGGCTG  
 CAAGAGGCATCCCAACTTACATATATTTTCTAGAAGCAAGTCTGCTGTCCTTACACAGTCTTC  
 ATCTTCTCTCAAGACAGCTGGTGCCT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG234572 representing NM\_001256337  
 Red=Cloning site Green=Tags(s)

MSALQKKYYKAILMKDLDAFENETAKKVKLQNILSQLRKCVDHPYLFDGVEPEPFVGDHLTEASGKLHL  
 LDKLLAFLYSGGHRVLLFSQMTQMLDILQDYMDYRGYSYERVDGSRGEERHLAIKNFGQQPIFVLLST  
 RAGGVGMNLTAADTVIFVDSDFNPQNDLQAAARAHRIQNKSVKVIIRLIGRDTVEEIVYRKAASKLQLTN  
 MIIIEGGHFTLGAQKPAADADLQSEILKFLDKLLASEGSTMDEIDLESILGETKDGQWSDALPAAEGG  
 SRDQEEGKNHMYLFEKDYKSKEDRKSFEQLVNLQKTLLEKASQEGRSLRNKGSVLIPGLVEGSTKR  
 KRVLSPHEELDRQKKRQEAARRRRLIEEKKRQKEEAHKKKMAWWE SNNYQSFCLPSESEPEDLENGE  
 ESSAELDYQDPDATSLKYVSGDVTHPQAGAEDALIVHCVDDSGHWGRGGLFTALEKRSAEPRKIYELAGK  
 MKDLSLGGVLLFPVDDKESRNKGQDLLALIVAQHRDRSNVLSGIKMAALEEGLKKIFLAAKKKKASVHLP  
 RIGHATKGFNWYGERLIRKHLAARGIPTIYYFPRSKSAVLHSQSSSSSRQLVP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001256337

**ORF Size:** 1848 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001256337.3](#)

**RefSeq Size:** 2506 bp

**RefSeq ORF:** 1851 bp

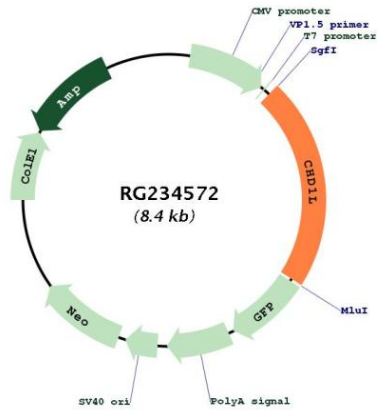
**Locus ID:** 9557

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

**Cytogenetics:** 1q21.1

**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]

**Product images:**



Circular map for RG234572