

Product datasheet for **RC234572**

CHD1L (NM_001256337) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHD1L (NM_001256337) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CHD1L
Synonyms:	ALC1; CHDL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234572 representing NM_001256337
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCAGCATTGCAGAAGAAATACTACAAGGCCATTTTGTGAAAGACCTAGATGCATTTGAAAATGAGA
 CGGCAAAGAAAGTTAAACTACAGAACATTTTGTCCAGCTTCGAAAGTGTGGATCACCCATATTTGTT
 TGATGGTGTGGAGCCGGAGCCTTTTGAAGTTGGAGACCACCTGACTGAGGCTAGTGGGAAGCTTACCTG
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 CGTATTGGACATGCCACGAAAGTTTTAACTGGTATGGTACTGAGCGACTTATTCGAAACATCTGGCTG
 CAAGAGGCATCCCAACTTACATATATTTTCTAGAAGCAAGTCTGCTGTCCTTACACAGTCTTC
 ATCTTCTCTCAAGACAGCTGGTGCCT

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Protein Sequence:

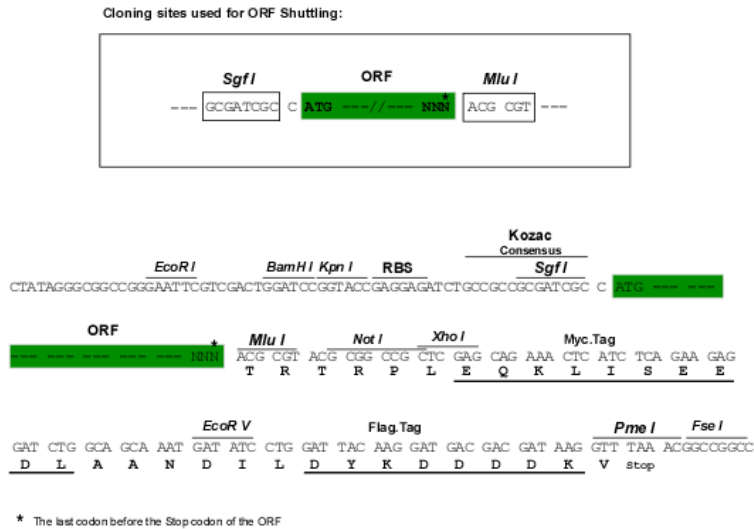
>RC234572 representing NM_001256337
 Red=Cloning site Green=Tags(s)

MSALQKKYYKAILMKDLDAFENETAKKVKLQNILSQLRKCVDPHPYLDGVEPEPFEVGDHLTEASGKLHL
 LDKLLAFLYSGGHRVLLFSQMTQMLDILQDYMDYRGYSYERVDGSRGEERHLAIKNFGQQPIFVLLST
 RAGGVGMNLTAADTVIFVDSDFNPQNDLQAAARAHRIQNKSVKIVIRLIGRDTVEEIVYRKAASKLQLTN
 MIEGGHFTLGAQKPAADADLQLSEILKFGLDKLLASEGSTMDEIDLESILGETKDGQWSDALPAAEGG
 SRDQEEGKNHMYLFEKDYKSKEDRKSFEQLVNLQKTLLEKASQEGRSLRNKGSVLIPGLVEGSTKR
 KRVLSPHEELDRQKRQEAARRRRLIEEKKRQKEEAHKKKMAWWESENYSQSFCLPSEESEPEDLENGE
 ESSAELDYQDPDATSLKYVSGDVTHPQAGAEDALIVHCVDDSGHWGRGLFTALEKRSAPRKIYELAGK
 MKDLSLGGVLLFPVDDKESRNKGQDLLALIVAQHRDRSNVLSGIKMAALEEGLKKIFLAAKKKASVHLP
 RIGHATKGFNWYGERLIRKHLAARGIPTIYYFPRSKSAVLHSQSSSSSRQLVP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

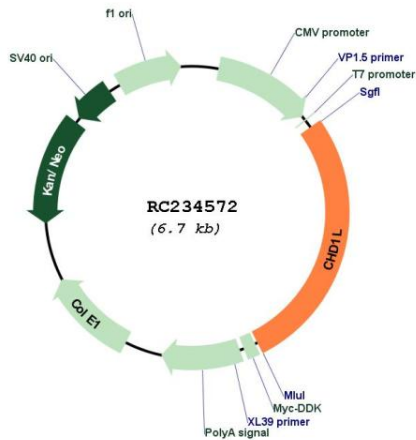
UniProt ID: [Q86WJ1](#)

Cytogenetics: 1q21.1

MW: 69.6 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]

Product images:



Circular map for RC234572