

Product datasheet for **RG223499**

CHD1L (NM_004284) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHD1L (NM_004284) 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)



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ORF Nucleotide Sequence:

>RG223499 representing NM_004284
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGCGCGGGCGCTACTAGCCGCGGGGCCAAGCGCCTGGCTTCTTACTGCGGCTTCATACTGAGG
 GCCGAGCCGAGGCGCGGGTGCAGGAGCAGGACTTACGGCAGTGGGGCTGACAGGGATTACCTACG
 CTCTTACCAGCTGGAGGGAGTAACTGGCTCGCCAGCGCTTCCATTGTGAGAATGGCTGTATCCTGGGA
 GATGAGATGGGCCTGGGGAAGACCTGCCAGACTATTGCTCTTTCATTTATTTGGCAGGAAGATTAATG
 ATGAAGGGCCATTTCTGATTCTTTGTCCCTGTCTGTTTTGAGCAACTGGAAAGAAGAAATGCAGAGATT
 TGCTCCAGGTCTTCTGTGTAACATATGCAGGCGACAAGGAGGAAAGAGCCTGCCTTCAGCAAGACCTG
 AAACAGGAGTCACGTTTTCATGTGCTACTGACTACCTATGAGATTTGCTTAAAGATGCATCATTCTAA
 AATCATTCCCTTGGAGTGTCTTGTGTGGATGAAGCTCACAGGTTGAAAAACCAAGCTCCCTGCTGCA
 TAAGACCTTGTGAGATTCTCAGTAGTCTCAGTCTCCTGTTGACCGAACTCCCATCCAGAACAGCCTC
 CAAGAGCTCTACTCCCTCCTCAGTTTTGTGGAGCCTGATCTCTTTTCCAAGGAAGAGGTGGGAGATTTTA
 TTCAACGCTACCAGGATATTGAGAAAGAATCTGAGTCAGCAAGTGAAGTGCACAACTCTTGACGCCATT
 TCTGCTGAGGCGAGTGAAGCTGAGGTAGCTACAGAGCTTCCAAGAAGACAGAAGTAGTGATATACCAT
 GGCATGTCAGCATTGCAGAAGAAATACTACAAGGCCATTTTGTGAAAGACCTAGATGCATTTGAAAATG
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 GTTTGATGGTGTGGAGCCGAGCCTTTTGAAGTTGGAGACCACCTGACTGAGGCTAGTGGGAAGCTTAC
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 AGATGTTGGATATTCTCAAGACTATATGGATTACAGAGGCTACAGCTATGAGCGTGTGGATGGTCTGT
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 TGAGTGAGATACTCAAATTTGGTTGGATAAACTGCTGGCCTCTGAGGGGAGCACCATGGATGAAATAGA
 CCTGGAGTCCATACTGGGAGAAACAAAAGATGGCCAGTGGTCTCTGATGCCTTGCCTGCAGCAGAAGGA
 GGGAGCAGAGATCAAGAGGAAGGAAAAATCATATGACTTATTTGAAGGTAAGATTATTCTAAAGAGC
 CCAGTAAGGAAGACAGAAAATCATTGAACTGTTAACTTCAAGAAACCCCTTTGGAGAAAGCTAG
 TCAAGAGGGCCGATCACTCCGAAATAAAGGCAGTGTCTCATCCAGGCCTTGTGGAGGGATCTACCAAA
 AGGAAGCGGGTTCTGAGTCCAGAAGAGCTGGAGGACAGACAGAAGAAAAGACAAGAAGCAGCTGCCAAGA
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 GGCAAGATTTGTTGTCCTTGATTGTGGCTCAGCATCGTATCGTTCCAATGTCCTGTCTGCATTAAAGT
 GGCAGCCCTAGAAGAGGGCCTGAAGAAGATATTTTAGCAGCAAAAAAGAAGAAAGCAAGTGTTCATCTT
 CCACGTATTGGACATGCCACGAAAGTTTTAACTGGTATGGTACTGAGCGACTTATTCGAAACATCTGG
 CTGCAAGAGGCATCCCACTTACATATATTTTCTAGAAAGCAAGTCTGCTGCTTTCATGCACAGTC
 TTCATCTTCTCTCAAGACAGCTGGTGCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - **GTTTAA**

Protein Sequence: >RG223499 representing NM_004284
 Red=Cloning site Green=Tags(s)

MERAGATSRGGQAPGFLLRLHTEGRAEAARVQEQLRQWGLTGIHLRSYQLEGVNWL AQRFH CQNGCILG
 DEMGLGKTCQTIALFIYLAGRLNDEGPFLILCPLSVLSNWKEEMQRFAPGLSCVTYAGDKEERACLQDDL
 KQESRFHVLLTTYEICLKDASFLK SFPWSVLV VDEAHLKKNQSSLLHKTLSEFSVVFSLLLTGTPIQNSL
 QELYSLLSFVEPDLFSKEEVGDFIQRYQDIEKESESASELHKLLQPFLRRVKAEVATELPPKTEVVIYH
 GMSALQKYYKAILMKDLDAFENETAKKVKLQNILSQLRKCVDHPYLF DGVEPEPEFVGDHLTEASGKLH
 LLDKLLAFLYSGGHRVLLFSQMTQMLDILDYMDYRGYSYERVDGSGVRGEERHLAIKNFGQQPIFVFLLS
 TRAGGVMNLTAADTVIFVDSDFNPQNDLQAAARHRIGQNKSVKVI RLI GRDTV EEEIVYRKAASKLQLT
 NMIIEGGHFTLGAQKPAADADLQLSEILKFGLDKLLASEGSTMDEIDLESILGETKDGQWVSDALPAAEG
 GSRDQEEGKNHMYLFEKDY SKEPSKEDRKSFEQLVNLQKTLLEKASQGRSLRNKGSVLIPGLVEGSK
 RKRVL SPEELED RQKKRQEAAAARRRLIEEKKRQKEEAHEHKKMAWVESNNYQSFCLPSESEPEDLENG
 EESSAELDYQDPDATSLKYVSGDVTHPQAGAEDALIVHCVD DSGHWGRGGLFTALEKRSAPRKYELAG
 KMKDLSLGGVLLFPVDDKESRNKGQDLLALIVAQHRDRSNVLSGIKMAALEEGLKKIFLAAK KKKASVHL
 PRIGHATKGFNWTGTERLIRKHLAARGIPTIYYFPRSKSAVLHAQSSSSSRQLVP

TRTRPLE - GFP Tag - V

Restriction Sites:

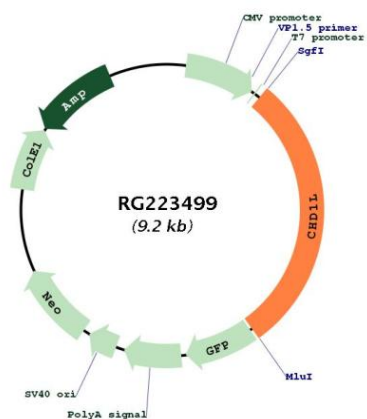
SgfI-MluI

Cloning Scheme:



ACCN:	NM_004284
ORF Size:	2691 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:	<ol style="list-style-type: none">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_004284.3 , NP_004275.3
RefSeq Size:	3023 bp
RefSeq ORF:	2694 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]

Product images:



Circular map for RG223499