

Product datasheet for **MC222468**

Chd1l (NM_026539) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chd1l (NM_026539) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chd1l
Synonyms:	4432404A22Rik; Alc1; Snf2p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222468 representing NM_026539
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAGCGCTTGCCGCGCTTCTGCAGGCGTGC CGGCCGAACCGGCCGAGCCGCTTCGGACGC
 GGGTGCAGGAACCGACTTACAGCAGTGGGGCTTGACTGGGATTCGCTACGTTCTTACCAACTGGAAGG
 AGTCAATTGGCTAGTCCAGTGCTTCCATTGCCAGAATGGCTGCATCCTGGGAGATGAGATGGGCTTGGGG
 AAGACCTGCCAGACTATCGCTCTCTCATTACTTGGTGGGAGACTGAATGATGAAGGGCCGTTTCTGG
 TTCTCTGTCCCTTGTCTGTTTTGAGCAACTGGAAGAAGAGATGGAGAGATTTGCTCCAGGTCTTTCCTG
 TGTGACATACACAGGTGACAAGGAGGAGAGAGCCCGCTTCAGCAGGACCTAAGACAGGAGTCAGGTTTT
 CACGTGCTGTGACGACATACGAGATTTGCTTGAAGATGCCTCATTCTAAAATCCTTCTCTGGAGCG
 TTCTTGCTGTGGATGAAGCTCACAGATTGAAAACCCAGAGCTCCCTGCTGCACAGGACACTTTCAGAGTT
 CTCAGCGTCTCCGTCTCCTGCTCACCAGAACGCCATCCAGAACAGCCTCCGGGAGCTCTACTCCCTC
 CTCTGTGTCGTGGAGCCTGACCTTCTGCAGAGAACAGGTGGAAGATTCGTTACGCGTTACCAGGACA
 TCGAGAAAGAGTCCAATCAGCAAGCGAGCTGCACAGGCTTTCGAGCCATTTCTCTGAGGCGTGTGAA
 AGCTCAGGTAGCCACAGAGCTCCCAAGAAGACAGAGGTGGTGGTGTACCACGGCATGTCCGCTCTGCAG
 AAAAGTACTACAAGGCCATCCTGATGAAAAGACCTGGATGCATTTGAGAACGAGACAGCCAAGAAAGTCA
 AACTCCAGAACATCCTGACGCAGCTTCGGAAGTGTGTGGACCACCCGATCTGTTTCGATGGTGTGGAACC
 AGAGCCCTTTGAAGTTGGAGAGCACCTGATTGAGGCCAGTGGGAAGCTTACCTGCTGGACAGGCTGCTG
 GCGTTTCTGTATTCTGGGGCCATCGGGTTTTACTTTTTCTCCAGATGACACACATGCTGGATATTCTGC
 AGGACTATATGGACTACAGAGGCTACAGCTACGAGCGTGGATGGCTCCGTGAGAGGAGGAGGAGACACA
 CCTGGCCATTAAGAACTTTGAAAACAGGCCATTTTTGTTTTTCTCTGAGCACCCGGGCAGGTGGAGTG
 GGCATGAACCTAACAGCGGCAGACACCGTCATTTTTGTCGACAGCGACTTCAACCCTCAGAATGACTTGC
 AGGCGGCCCGCAGAGCTCACCGAATTGGCCAGAACAAGTCTGTTAAAGTCATCCGCTGATCGGCCGCGA
 CACCGTGAAGAAATCGTGTATAGGAAGCGGCCCTCAAACCTGCAGCTTACCAACATGGTCATAGAAGGA
 GGTCAATTCACACCAGGAGCCAGAAACCTTACGCCGAGGCCGACTTCCAGTTAAGTGAGATTCTCAAAT
 TCGGCTTGGATAAACTGCTGTCTCTGAGGGGAGCTCCATGGAGGATATAGACCTGAAGTCCATCCTGGG
 AGAAACCAAAGATGGCCAGTGGACCCCTGATGCTCTGCCCGCAGCAGCAGCAGCAGGAGGAGGAAGCCTA
 GAACCAGAGGAAGGAAGTGAATGGAATCCAGGTCTTATGAAAACCATGTACTTGTGTTGAAGGTAGAG
 ACTATTCTAAGGAGCCAGTAAGGAAGACAGAAAGTCATTTGAGCAGCTGGTGAATCTTCAGAAAACCTT
 TCTAGAGAAGACAAGCCATGGGGGCCGACCCCTCCGGAACAAAGGCAGCGTTCTTATCCCAGGCCTTGCA
 GAAGGGCCCATCAAAAGGAAGAAGATCCTTAGCCAGAGGAGCTGGAGGACAGACGGAAGAAAAGACAGG
 AAGCAGCGGCCAAGAGGAAGAGACTGATGGAGGAGAAGAGGAAGGAGAAGGAGGAGGCTGAACACAGGAA
 GAAGATGGCCTGGTGGGAATCCAACGGTTACCAGTCTTCTGCCTGTCTCGGAGGACAGCGAGCTTGGAG
 GACCTGGAGGGCGGAGATGAGTCTTCTGCCGAGCTGGCTTATGAAGATCTAGACTCAACCTCCATTAAC
 ATGTTAGTGGCGACGTCACCCACCCAGGCTGGCGAAGAAGATGCTGTCTGTCATTGTGCACTGTGTAGATGA
 TTCTGGCCGCTGGGGCAGAGGTGGCTTATTCACAGCTCTGGAAGTACGATCAGCTGAACCAAGAAAAATA
 TACGAGCTGGCTGGGAAAATGGAAGACCTGAGTTGGGTGATGTCTTCTATTTCTATCGACGATAAAG
 AGTCACGAGACAAGGGCAAGATCTGTTGGCCTTGGTTGTGGCTCAGCACCGTATCGCACCAATGTCTCT
 GTCTGGCATTAAAGATGGCAGCCCTAGAAGAGGGCTGAAGAAGATATTTTAGCAGCAAAGAAAAAGAAA
 GCAAGCGTTTCACTTCCACGAATTGGACATGCTACAAAGGGTTTTAACTGGTATGGTACCGAACGACTTA
 TCCGGAACATTTGGCTACACGAGGCATCCCACTTACATATACTACTTTCCAGAAGTAAGGCCCGCCA
 TTCACAGCTGCATCCTCCTCCTCAGCACCCTGGTTCCCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_026539

Insert Size:	2703 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:	<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:	<u>NM_026539.2</u> , <u>NP_080815.1</u>
RefSeq Size:	2989 bp
RefSeq ORF:	2703 bp
Locus ID:	68058
UniProt ID:	<u>Q9CXF7</u>
Cytogenetics:	3 F2.2
Gene Summary:	DNA helicase which plays a role in chromatin-remodeling following DNA damage. Targeted to sites of DNA damage through interaction with poly(ADP-ribose) and functions to regulate chromatin during DNA repair. Able to catalyze nucleosome sliding in an ATP-dependent manner. Helicase activity is strongly stimulated upon poly(ADP-ribose)-binding (By similarity). [UniProtKB/Swiss-Prot Function]