

Product datasheet for **MR211097**

Chd1l (NM_026539) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chd1l (NM_026539) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR211097 representing NM_026539
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAGCGCTTGCCGCGCTTCTGCAGGCGTCCGGCCGAACCGGCCGGAGCCGCTTCGGACGC
 GGGTGCAGGAACCGACTTACAGCAGTGGGGCTTGACTGGGATTCGTCTACGTTCTTACCAACTGGAAGG
 AGTCAATTGGCTAGTCCAGTGCTTCCATTGCCAGAATGGCTGCATCCTGGGAGATGAGATGGGCTTGGGG
 AAGACCTGCCAGACTATCGTCTCCTCATTACTTGGTGGGAGACTGAATGATGAAGGGCCGTTTCTGG
 TTCTCTGTCCCTTGTCTGTTTTGAGCAACTGAAAGAAGAGATGGAGAGATTTGCTCCAGGTCCTTCTGT
 TGTGACATACACAGGTGACAAGGAGGAGAGAGCCCGCTTCAGCAGGACCTAAGACAGGAGTCAGGTTTT
 CACGTGCTGTGACGACATACGAGATTTGCTTGAAGATGCCTCATTCTAAAATCCTTCTTGGAGCG
 TTCTTGCTGTGGATGAAGCTCACAGATTGAAAACCCAGAGCTCCCTGCTGCACAGGACACTTTCAGAGTT
 CTCAGCGTCTCCGTCTCCTGCTCACCGAACGCCATCCAGAACAGCCTCCGGGAGCTCTACTCCCTC
 CTCTGTGTCGTGGAGCCTGACCTTCTGCAGAGAACAGGTGGAAGATTCGTTACGCGTTACCAGGACA
 TCGAGAAAGAGTCCAATCAGCAAGCGAGCTGCACAGGCTTTCGAGCCATTTCTCTGAGGCGTGTGAA
 AGCTCAGGTAGCCACAGAGCTCCCAAGAAGACAGAGGTGGTGGTGTACCACGGCATGTCCGCTCTGCAG
 AAAAGTACTACAAGGCCATCCTGATGAAAGACCTGGATGCATTTGAGAACGAGACAGCCAAGAAAGTCA
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 GCGTTTCTGTATTCTGGGGCCATCGGGTTTTACTTTTCTCCAGATGACACACATGCTGGATATTCTGC
 AGGACTATATGGACTACAGAGGCTACAGCTACGAGCGTGGATGGCTCCGTGAGAGGAGAGAGACA
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 GGCATGAACTTAACAGCGGCAGACACCGTCATTTTTGTCGACAGCGACTTCAACCCTCAGAACTGACTTGC
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 CACCGTGAAGAAATCGTGTATAGGAAGCGGCCCTCAAACCTGCAGCTTACCAACATGGTCATAGAAGGA
 GGTCAATTCACACCAGGAGCCAGAAACCTTACGCCGAGGCCGACTTCCAGTTAAGTGAGATTCTCAAAT
 TCGGCTTGGATAAACTGCTGTCTCTGAGGGGAGCTCCATGGAGGATATAGACCTGAAGTCCATCCTGGG
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 GAACCAGAGGAAGGAAGTGAATGGAATCCAGGCTTATGAAAACCATGTACTTGTGTTGAAGGTAGAG
 ACTATTCTAAGGAGCCAGTAAGGAAGACAGAAAGTCATTTGAGCAGCTGGTGAATCTTCAGAAAACCTT
 TCTAGAGAAGACAAGCCATGGGGGCCGACCCCTCCGGAACAAAGGCAGCGTTCTTATCCCAGGCCTTGCA
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 TCCGGAACATTTGGCTACACGAGGCATCCCACTTACATATACTACTTTCCAGAAGTAAGGCCCGCCA
 TTCACAGCTGCATCCTCCTCCTCAGCACCCTGGTTCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211097 representing NM_026539
 Red=Cloning site Green=Tags(s)

MASGLPRFLQALPAEHGPEPLRTRVQEPDLQQWGLTGIRLSYQLEGVNWLVQCFHCQNGCILGDEMGLG
 KTCQTIALLIYLVGRLNDEGPFLVLCPLSVLSNWKEEMERFAPGLSCVTYTGDKKEERARLQQDLRQESGF
 HVLLTTYEICLKDASFLKSFWSVLAVDEAHLRKNQSSLLHRTLSEFSAVFRLLLTTGTPIQNSLRELYSL
 LCVVEPDLFCREQVEDFVQRYQDIEEKESASELHRLLPFLLRRVKAQVATELPKKTEVVVYHGMSALQ
 KKYYKAILMKDLDAFENETAKKVKLQNILTQLRKCVDHPYLFDGVEPEPFEVGEHLIEASGKLHLLDRLL
 AFLYSGGHRVLLFSQMTMHLDILQDYMDYRGYSYERVDGSRVGEERHLAIKNFGNQPIFVLLSTRAGGV
 GMNLTAADTVIFVDSDFNPQNDLQAAARAHRIQGNKSVKVIIRLIGRDTVEEIVYRKAASKLQLTNMVEIG
 GHFTPGAQKPSAEADFQLSEILKFGDKLLSSEGSMEDIDLSILGETKDGQWTPDALPAAAAAGGSSL
 EPEEGSELESRSYENHMYLFEGRDYSKEPSKEDRKSFEQLVNLQKTLLEKTSHGGRTRLNKGSVLIPGLA
 EGPIKRKILSPEELEDRRKKRQEAARKRKRLMEEKRKEKEEAHRKKMAWWSNGYQSFCLSSDSELE
 DLEGGDESSAELAYEDLDSTSINIVYSGDVTHPQAGEEAVIVHCVDDSGRWGRGGLFTALEVRSAPRKI
 YELAGKMEDLSLGDVLLFPIDDKESRDKGQDLLALVVAQHRDRTNVLSGIKMAALEEGLKKIFLAAKKKK
 ASVHLPRIGHATKGFNWYGTERLIRKHLATRGIPTYIYYFPRSKARHSQPASSSSAPLVP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

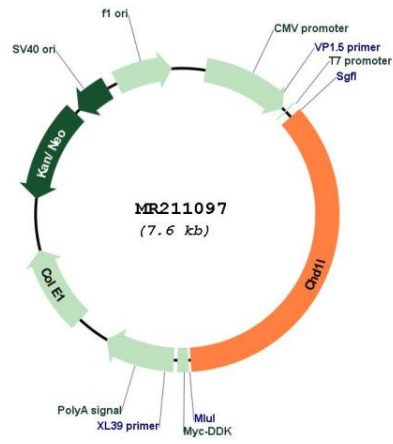
Cloning Scheme:



ACCN: NM_026539

ORF Size:	2700 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_026539.2 , NP_080815.1
RefSeq Size:	2989 bp
RefSeq ORF:	2703 bp
Locus ID:	68058
UniProt ID:	Q9CXF7
Cytogenetics:	3 F2.2
MW:	101.4 kDa
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]

Product images:



Circular map for MR211097