

Product datasheet for **MG211097**

Chd1l (NM_026539) Mouse Tagged ORF Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Chd1l (NM_026539) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Chd1l |
| Synonyms: | 4432404A22Rik; Alc1; Snf2p |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG211097 representing NM_026539
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAGCGCTTGCCGCGCTTCTGCAGGCGTGC CGGCCGAACCGGCCGAGCCGCTTCGGACGC
 GGGTGCAGGAACCGACTTACAGCAGTGGGGCTTGACTGGGATTCTGCTACGTTCTTACCAACTGGAAGG
 AGTCAATTGGCTAGTCCAGTGCTTCCATTGCCAGAATGGCTGCATCCTGGGAGATGAGATGGGCTTGGGG
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 TGTGACATACACAGGTGACAAGGAGGAGAGAGCCCGCTTCAGCAGGACCTAAGACAGGAGTCAGGTTTT
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 CTCAGCGTCTCCGTCTCTGCTCACCGAACCGCCATCCAGAACAGCCTCCGGGAGCTCTACTCCCTC
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 TTCACAGCTGCATCCTCCTCCTCAGCACCCTGGTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - **GTTTAA**

Protein Sequence: >MG211097 representing NM_026539
Red=Cloning site Green=Tags(s)

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MASGLPRFLQALPAEHGPEPLRTRVQEPDLQQWGLTGIRLSYQLEGVNWLQCFHCQNGCILGDEMGLG
KTCQTIALLIYLVGRLNDEGPFLVLCPLSVLSNWKEEMERFAPGLSCVYTGDKKEERARLQODLRQESGF
HVLLTTYEICLKDASFLKFSWSVLAVDEAHLKKNQSSLLHRTLSEFSAVFRLLLTGTPIQNSLRELYSL
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YELAGKMEDLSLGDVLLFPIDDKESRDKGQDLLALVVAQHRDRTNVLSGIKMAALEEGLKKIFLAAKKK
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TRTRPLE - GFP Tag - V

Restriction Sites:

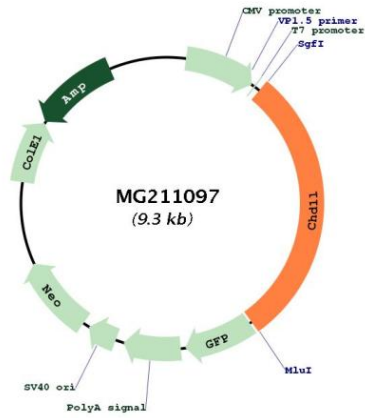
SgfI-MluI

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 |
| 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 MG211097