

Product datasheet for **MR231117**

Cyld (NM_001276279) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyld (NM_001276279) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyld
Synonyms:	2010013M14Rik; 2900009M21Rik; C130039D01Rik; CDMT; CYLD1; EAC; mKIAA0849
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>MR231117 representing NM_001276279
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGTTCAGGCCTGTGGAGCCAAGAGAAAGTTACTTCACCCACTGGAAGAACGGATTTTTTATCTGC
TTCTTCAAGAATGCAGTGTAAACAGACAAACAACTCAGAAGCTGCTGAAAGTACCCAAAGGGAGTATAGG
ACAGTACATCCAAGACCGTTCTGTGGGGCATTCAAGAGTTCCTCCACAAAAGGCAAGAAAAATCAGATT
GGATTAATAAATCTTGGAGCAACCGCATGCAGTTCTGTTTGTGATGAAAAGGATGTTGTAGAAAATAATG
AAAAATTCACAGAGTTACTGTTGGCAATTACCAACTGTGAGGAGAGGCTCAGCCTATTTAGAAAACAGACT
CCGACTAAGTAAAGGCCTCCAGGTAGACGTGGGCAGTCTGTGAAAGTACAGCTGCGATCTGGGGAAGAG
AAATTTCCAGGAGTTGTACGCTTCAGAGGACCTTTATTAGCGGAGAGGACGGTGTCCGGGATTTCTTTG
GAGTAGAATTATTGGAAGAAGTCGTGGTCAAGGTTTCACGGATGGGTATATCAAGGGAAGCAGCTTTT
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GGATTGAAAAGTATTTGCAGGCCAGGAGATACAATGCAGGTTGAACCTCCCCCTTTGAAAATAAAT
CCAGAGTTTCTTTGAAGTTGGAGAAAAGTACAGAACTGGAACAGTAATATTCTGTGATGTTTTACCAGG
AAAAGAGAGTCTAGGATATTTGTTGGTGTGGACATGGATAACCCATTGGCAACTGGGATGGAAGGTTT
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CAGATAGCGTGACACAGGAAAGGAGGCCTCCAAAACCTGCCTTTATGTCAAGAGGTGTAGGTGACAAAGG
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TGTGTGTGCCACAAGATTATGAAACTGAGGAAAATACTTGA AAAAGTTGAGGCTGCATCAGGTTTTACC
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CAGAAGTGGGAGAGTACTTGAAGATGTCTCTGGAGGACCTGCACTCTTTGGATTCCAGAAGGATTC AAG
CTGTGCGCGCAGACTTCTTTGCGATGCATACATGTGCATGTACCAGAGTCCAACCATGAGCCTGTACAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231117 representing NM_001276279
 Red=Cloning site Green=Tags(s)

MSSGLWSQEKVTSFYWEERIFYLLQECVTDKQTQKLLKVPKGSIGQYIQDRSVGHSRVPSTKGKKNQI
 GLKILEQPHAVLFVDEKDVVEINEKFTELLALITNCEERLSLFRNRLRLSKGLQVDVGGSPVKVQLRSGEE
 KFPGVVFRGPLLAERTVSGIFFGVELLEEGRGQGF TDGVYQKQLFQCEDEDCGVFVALDKLELIEDDDN
 GLESDFAGPGDTMQVEPPPLEINSRVSLKVGESTESGTVIFCDVLPGKESLGYFVGVMDMDNPIGNWDGRF
 DGVQLCSFASVESTILLHINDIIPDSVTQERRPPKLA FMSRGGVGDGKSSSHNKPKVTGSTSDPGSRNRSE
 LFYTLNGSSVDSQQSKSNPWYIDEAFGGYLSEVVEENTPPKMEKEGLEIMIGKKGKIQGHYNSCYLDST
 LFCLFAFSSALDVLRLPKEKNDIEYYSETQELLRTEIVNPLRIYGVCA TKIMKLRKILEKVEAASGFT
 SEEKDPEEFLNILFHDILRVEPLLKIRSAGQKVQDCNFYQIFMEKNEKVGVP TIQQLEWSFINSNLKFA
 EAPSCLIIQMPRFKDFKLFKKIFPSLELNITD LLEDTPRQCRICGLAMYECRECYDDPDI SAGKIKQF
 CKTCSTQVHLHPRRLNHSYHPVSLPKDLPDWDWRHGCIPCQKMELFAVLCIETSHYVAFVKYGDSSAWL
 FFDSMADRGGQNGFNIPQVTPCEVGEY LKMSLEDLHSLDSRRIQGCARRLLCDA YMCMYQSPTMSLYK

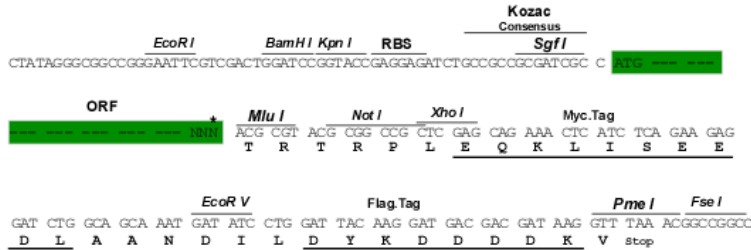
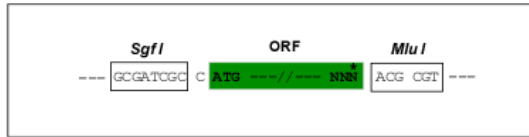
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

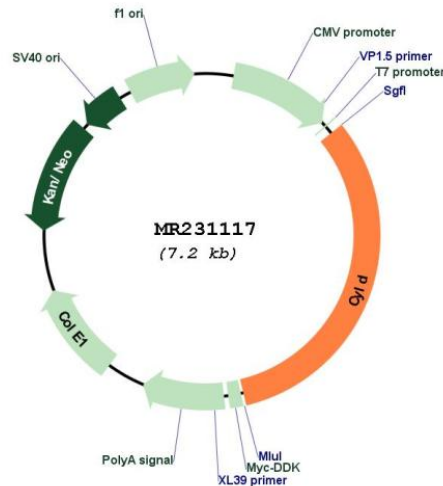
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001276279

ORF Size: 2310 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_001276279.1](#), [NP_001263208.1](#)

RefSeq Size: 7599 bp

RefSeq ORF: 2313 bp

Locus ID: 74256

Cytogenetics: 8 C3

MW: 87.5 kDa

Gene Summary: This gene encodes a protein that is a member of the ubiquitin C-terminal hydrolase subfamily of the deubiquitinating enzyme family. Members of this family catalyze the removal of ubiquitin from a substrate or another ubiquitin molecule and thereby play important roles in regulating signaling pathways, recycling ubiquitin and regulating protein stability. This protein removes ubiquitin from K-63-linked ubiquitin chains from proteins involved in NF-kappaB signaling and thus acts as a negative regulator of this pathway. In humans mutations in this gene have been associated with cylindromatosis, an autosomal dominant predisposition to tumors of skin appendages. In mouse deficiency of this gene impairs thymocyte development and increases susceptibility to skin and colon tumors. A pseudogene of this gene has been identified on chromosome 1. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jan 2013]