

Product datasheet for **MR227170**

Cyld (NM_173369) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyld (NM_173369) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyld
Synonyms:	2010013M14Rik; 2900009M21Rik; C130039D01Rik; CDMT; CYLD1; EAC; mKIAA0849
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR227170 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGTTCAGGCCTGTGGAGCCAAGAGAAAGTTACTTCACCCACTGGAAGAACGGATTTTTTATCTGC
 TTCTTCAAGAATGCAGTGTAAACAGACAAACAACTCAGAAGCTGCTGAAAGTACCCAAAGGGAGTATAGG
 ACAGTACATCCAAGACCGTTCTGTGGGGCATTCAAGAGTTCCTCCACAAAAGGCAAGAAAAATCAGATT
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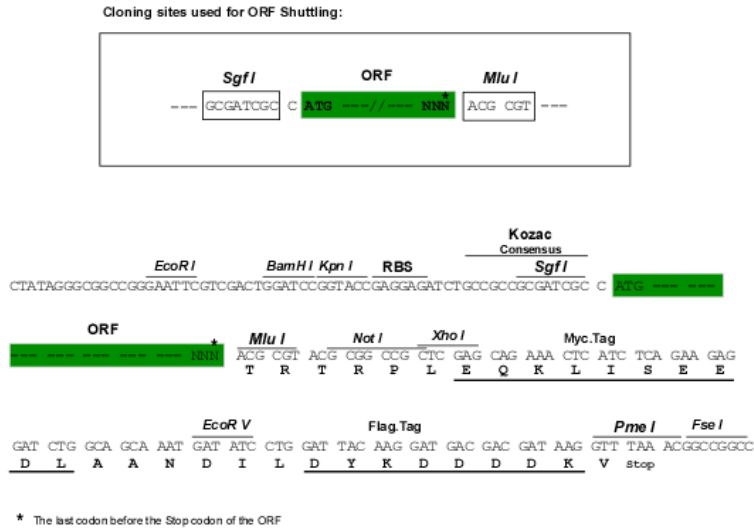
Protein Sequence: >MR227170 protein sequence
 Red=Cloning site Green=Tags(s)

MSSGLWSQEKVTSFYWEERIFYLLQLQECVTDKQTQKLLKVPKGSIGQYIQDRSVGHSRVPSTKGKKNQI
 GLKILEQPHAVLFVDEKDVVEINEKFTELLALITNCEERLSLFRNRLRLSKGLQVDVGVSPVKVQLRSGEE
 KFPQVVRFRGPLLAERTVSGIFFGVELLEEGRGQGF TDGVYQKQLFQCEDEDCGVFVALDKLELIEDDDN
 GLESDFAGPGD TMQVEPPPLEINSRVSLKVGESTESGTVIFCDVLPKESLGYFVGVMDMNPIGNWDGRF
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 LFYTLNGSSVDSQQSKSNPWYIDEVAEDPAKSLTEMSSDFGHSSPPPQPPSMNLSSENRFHSLPFLSLT
 KMPNTNGSMAHSPLSLSVQSVMGELNSTPVQESPLPISSGNAHGLEVGS LAEVKENPPFYGVIRWIGQP
 PGLSDVLAGLELEDECAGCTDGTFRGTRYFTCALKKALFVKLSCRPSRFASLQPVSNQIERCNSLAFG
 GYLSEVVEENTPPKMEKLEIMIGKKKGIQGHYNSCYLDSTLFLCLAFSSALDVLRLRPKEKNDIEEYS
 ETQELLRTEIVNPLRIYGYVCATKIMLRKILEKVEAASGFTSEEKPEEFNLILFHDILRVEPLLKIRS
 AGQKVQDCNFYQIFMEKNEKVGPTIQQLLEWSFINSNLKFAEAPSCLIIQMRFKDFKLFKKIFPSLE
 LNITDILLEDTPRQCRI CGGLAMYECRECYDDPDISAGKIKQFCKTCSTQVHLHPRRLNHSYHPVSLPKDL
 PDWDWRHGCIPCQKME LFAVLCIETSHYVAFVKYKGDSDAWLFFDSMADRGGQNGFNIPQVTPCPEVGE
 YLKMSLEDLHSLDSRRIQGCARRLLCDAYMCMYQSPTMSLYK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

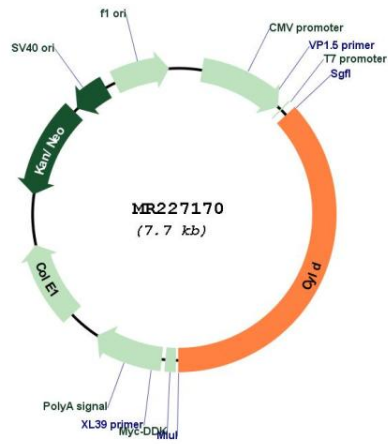


ACCN: NM_173369

ORF Size: 2859 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_173369.3
RefSeq Size:	8014 bp
RefSeq ORF:	2859 bp
Locus ID:	74256
UniProt ID:	Q80TQ2
Cytogenetics:	8 C3
MW:	106.6 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]

Product images:



Circular map for MR227170