

## Product datasheet for **MG211292**

### Cyld (NM\_173369) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cyld (NM_173369) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cyld
Synonyms:	2010013M14Rik; 2900009M21Rik; C130039D01Rik; CDMT; CYLD1; EAC; mKIAA0849
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211292 representing NM\_173369  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGAGTTCAGGCCTGTGGAGCCAAGAGAAAGTTACTTCACCCACTGGAAGAACGGATTTTTTATCTGC  
 TTCTTCAAGAATGCAGTGTAAACAGACAAACAACTCAGAAGCTGCTGAAAGTACCCAAAGGGAGTATAGG  
 ACAGTACATCCAAGACCGTTCTGTGGGGCATTCAAGAGTTCCTCCACAAAAGGCAAGAAAAATCAGATT  
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 AAAAATTCACAGAGTTACTGTTGGCAATTACCAACTGTGAGGAGAGGCTCAGCCTATTTAGAAAACAGACT  
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 GAGTAGAATTATTGGAAGAAGTTCGTGGTCAAGGTTTACGGATGGGTATATCAAGGGAAGCAGCTTTT  
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 GATGGAGTACAGCTCTGTAGTTTGAAGTGTGAAAAGTACAATCTCCTGCACATCAATGACATCATCC  
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 ACCGCAGCTCCTTCCATGAACTCCTTGCTAGCGAGAACAGATTCCACTCCTTACCCTTCAGCCTGACA  
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 GAGACTCAGGAGCTACTGAGGACAGAGATAGTCAATCCTCTGAGAATATATGGATATGTGTGTCACAA  
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 CACTCAGGTTACCTTCAATCCAGGAGGTTGAATCATTCTTATCATCCAGTATCACTTCCCAAAGACTTG  
 CCTGACTGGGACTGGAGACACGGCTGCATCCCCTGTCAGAAGATGGAGTTATTTGCTGTTCTCTGCATAG  
 AAACGAGCCACTATGTTGCTTTTGTGAAGTATGGGAAGGATGACTCTGCCTGGCTTTTCTTTGACAGCAT  
 GGCGGATCGAGATGGTGGTCAAGTGGCTTCAACATTCCACAAGTACGCCCTGCCAGAAGTGGGAGAG  
 TACTTGAAGATGTCTCTGGAGGACCTGCACTCTTTGGATTCCAGAAGGATCAAGGCTGTGCGCGCAGAC  
 TTCTTTGGCATGCATACATGTGCATGTACCAGAGTCCAACCATGAGCCTGTACAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211292 representing NM\_173369  
 Red=Cloning site Green=Tags(s)

MSSGLWSQEKVTSFYWEERIFYLLQECVTDKQTQKLLKVPKGSIGQYIQDRSVGHSRVPSTKGKKNQI  
 GLKILEQPHAVLFVDEKDVVEINEKFTELLALITNCEERLSLFRNRLRLSKGLQVDVGVSPVKVQLRS  
 GEEKFFPGVVRFRGPLLAERTVSGIFFGVELLEERGGQGF TDGVYQKQLFQCEDEDCGVFVALDKLELIEDDDN  
 GLESDFAGPGDTMQVEPPPLEINSRVSLKVGESTESGTVIFCDVLPGKESLGYFVGVMDNPIGNWDGRF  
 DGVQLCSFASVESTILLHINDIIPDSVTQERRPKLAFMSRGGVGDGSSSHNKPKVTGSTSDPGSRNRSE  
 LFYTLNGSSVDSQQSKSKNPWYIDEVAEDPAKSLTEMSSDFGHSSPPPQPPSMNSLSENRFHSLPFLSLT  
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 PGLSDVLAGLELEDECACTDGTFRGTRYFTCALKKALFVKLSCRPSRFASLQPVSNQIERCNSLAFG  
 GYLSEVVEENTPPKMEKEGLEIMIGKKKGIQGHYNSCYLDSTLFLCLAFSSALDVLRLRPKEKNDIEYYS  
 ETQELLRTEIVNPLRIYGYVCATKIMLKRKILEKVEAASGFTSEEKDPPEEFLNILFHDILRVEPLLKIRS  
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 LNITDILLEDTPRQCRIICGLAMYECRECYDDPDISAGKIKQFCKTCTSTQVHLHPRRLNHSYHPVSLPKDL  
 PDWDWRHGCI PCQKME LFAVLCIETSHYVAFVKYKGDSDAWLFFDSMADRGGQNGFNIPQVTPCPEVGE  
 YLKMSLEDLHSLDSRRIQGCARRLLCDAYMCMYQSPTMSLYK

TRTRPLE - GFP Tag - V

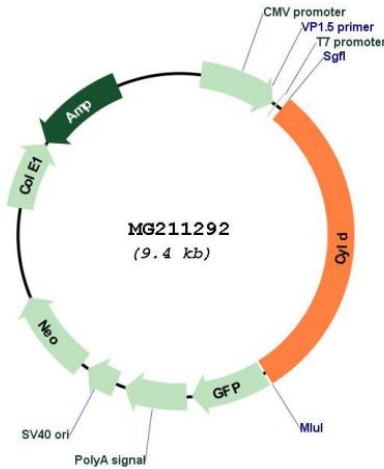
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_173369

ORF Size: 8011 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\\_173369.3](#)

RefSeq Size: 4501 bp

RefSeq ORF: 2859 bp

Locus ID: 74256

UniProt ID: [Q80TQ2](#)

Cytogenetics: 8 C3

**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]