

## Product datasheet for **RG219629**

### **CYLD (NM\_015247) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CYLD (NM_015247) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CYLD
Synonyms:	BRSS; CDMT; CYLD1; CYLDI; EAC; FTDALS8; MFT; MFT1; SBS; TEM; USPL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>RG219629 representing NM\_015247  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGTTCAGGCTTATGGAGCCAAGAAAAAGTCACCTTACCCTACTGGGAAGAGCGGATTTTTACTTGC  
 TTCTTCAAGAATGCAGCGTTACAGACAAAACAAAAGCTCCTTAAAGTACCGAAGGGAAGTATAGG  
 ACAGTATATTCAAGATCGTTCTGTGGGGCATTCAAGGATTCCTTCTGCAAAAGGCAAGAAAAATCAGATT  
 GGATTAATAAATCTAGAGCAACCTCATGCAGTTCTCTTTGTTGATGAAAAGGATGTTGTAGAGATAAATG  
 AAAAGTTCACAGAGTTACTTTTGGCAATTACCAATTGTGAGGAGAGGTTTCAGCCTGTTTAAAAACAGAAA  
 CAGACTAAGTAAAGGCCTCCAAATAGACGTGGGCTGTCTGTGAAAGTACAGCTGAGATCTGGGGAAGAA  
 AAATTTCTGGAGTTGTACGCTTCAGAGGACCCCTGTTAGCAGAGAGGACAGTCTCCGGAATATTCTTTG  
 GAGTTGAATTGCTGGAAGAAGGTCGTGGTCAAGGTTTCACTGACGGGGTGTACCAAGGGAACAGCTTTT  
 TCAGTGTGATGAAGATTGTGGCGTGTGTTGTCATTGGACAAGCTAGAAGTATAGAAAGTATGACT  
 GCATTGGAAGTATTACGCAGGTCCTGGGACACAATGCAGGTCGAACTTCTCTTTGGAATAAAT  
 CCAGAGTTTCTTTGAAGTTGGAGAAAACATAGAATCTGGAACAGTTATATTCTGTGATGTTTTGCCAGG  
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 GATGGAGTGCAGCTTTGTAGTTTTCGTGTGTTGAAAGTACAATTCTATTGCACATCAATGATATCATCC  
 CAGCTTATCAGAGAGTGTGACGCAGGAAAGGAGGCTCCCAAATTCCTTTATGTCAAGAGGTTGG  
 GGCAAAGGTTTCCAGTCATAATAAACCAAAGGCTACAGGATCTACCTCAGACCCTGGAAATAGAAAC  
 AGATCTGAATATTTTATACCTTAAATGGGCTTCTGTTGACTCACAACCACAATCCAAATCAAAAAATA  
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 ACATGGTCTAGAAGTGGGCTCATTGGCTGAAGTTAAGGAGAACCCTCCTTTCTATGGGGTAAATCCGTTGG  
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 CGGATGGAACCTCAGAGGCACTCGGTATTTACCTGTGCCCTGAAGAAGGCGTGTGTTGAAACTGAA  
 GAGCTGCAGGCCCTGACTCTAGGTTTGCATCATTGCAGCCGTTTCCAATCAGATTGAGCGCTGTAAGTCT  
 TTAGCATTGGAGGCTACTTAAGTGAAGTAGTAGAAGAAAATACTCCACCAAAAATGGAAAAAGAAGGCT  
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 CCCAAAGACTTACCCGACTGGGACTGGAGACACGGCTGCATCCCTTGCCAGAATATGGAGTTATTTGCTG  
 TTCTCTGCATAGAAACAAGCCACTATGTTGCTTTTGTGAAGTATGGGAAGGACGATTCTGCCTGGCTCTT  
 CTTTGACAGCATGGCCGATCGGGATGGTGGTCAAGATGGCTTCAACATTCCTCAAGTCAACCCATGCCCA  
 GAAGTAGGAGAGTACTTGAAGATGTCTGGAAGACCTGCATTCTTGGACTCCAGGAGAATCCAAGGCT  
 GTGCACGAAGACTGCTTTGTGATGCATATATGTGCATGTACCAGAGTCCAACAATGAGTTGTACAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG219629 representing NM\_015247  
 Red=Cloning site Green=Tags(s)

MSSGLWSQEKVTSFYWEERIFYLLQECVTDKQTQKLLKVPKGSIGQYIQDRSVGHSRIPSAKGGKKNQI  
 GLKILEQPHAVLFVDEKDVVEINEKFTELLAI TNCEERFSLFKNRNRLSKGLQIDVGCVPKVLRS  
 GEEKFFPGVVRFRGPLLAERTVSGIFFGVELLEEGRGQGF TDGVYQKQLFQCEDEDCGVFVALDKLELIEDDDT  
 ALESDYAGPGD TMQVELPPL EINSRVSLKVGETIESGTVIFCDVLPGKESLGYFVGVDMDNPIGNWDGRF  
 DGVQLCSFACVESTILLHINDIIPALSESVTQERRPKLAFMSRGVGDKGSSSHNPKATGSTSDPGNRN  
 RSELYFTLNGSSVDSQPQSKSKNTWYIDEVAEDPAKSLTEISTDFDRSSPPLQPPPVNSLT TENRFHSLP  
 FSLTKMPNTNGSIGHSPLSLSAQSVMEELNTAPVQESPLAMPNGSHGLEVGS LAEVKENPPFYGVIRW  
 IGQPPGLNEVLAGLELEDECAGCTDGTFRGTRYFTCALKKALFVKLKSCRPSRFASLQPVSNQIERCNS  
 LAFGGYLSEVVEENTPPKMEKEGLEIMIGKKKGIQGHYNSCYLDSTL FCLFAFSSVLDTVLLRPKEKNDV  
 EYYSETQELLRTEIVNPLRIYGYVCATKIMKLRKILEKVEAASGFTSEEKDP EEFNLNFHHILRVEPLL  
 KIRSAGQKVQDCYFYQIFMEKNEKVGVP TIQQLLEWSFINSNLKFAEAPSCLIIQMFRFGKDFLKKIF  
 PSLELNITD LLEDTPRQCRI CGGLAMYECRECYDDPDISAGKIKQFCKTCNTQVHLHPKRLNHKYNPVSL  
 PKDLPDWDRHGICPCQNMELFAVLCIETSHYVAFVKYKGDSSAWLFFDSMADRDGGQNGFNIPQVTPCP  
 EVGEYLKMSLEDLHSLDSRRIQGCARRLLCDAYMCMYQSPTMSLYK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

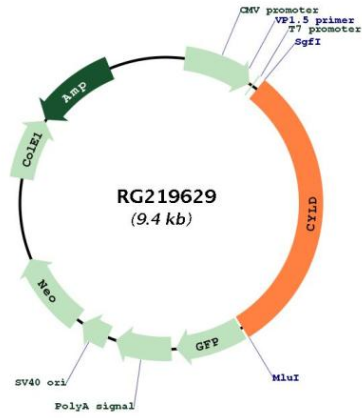


ACCN: NM\_015247

ORF Size: 2868 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_015247.3</a>
<b>RefSeq Size:</b>	8730 bp
<b>RefSeq ORF:</b>	2871 bp
<b>Locus ID:</b>	1540
<b>UniProt ID:</b>	<a href="#">Q9NQC7</a>
<b>Cytogenetics:</b>	16q12.1
<b>Domains:</b>	CAP_GLY, UCH
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	RIG-I-like receptor signaling pathway
<b>Gene Summary:</b>	This gene encodes a cytoplasmic protein with three cytoskeletal-associated protein-glycine-conserved (CAP-GLY) domains that functions as a deubiquitinating enzyme. Mutations in this gene have been associated with cylindromatosis, multiple familial trichoepithelioma, and Brooke-Spiegler syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG219629