

Product datasheet for **RG204099**

CYLD (NM_001042355) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYLD (NM_001042355) 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:

>RG204099 representing NM_001042355
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTTCAGGCTTATGGAGCCAAGAAAAGTCACCTTACCCTACTGGGAAGAGCGGATTTTTACTTGC
 TTCTTCAAGAATGCAGCGTTACAGACAAAACAAAAGCTCCTTAAAGTACCGAAGGGAAGTATAGG
 ACAGTATATTCAAGATCGTTCTGTGGGGCATTCAAGGATTCCTTCTGCAAAAGGCAAGAAAAATCAGATT
 GGATTAATAAATCTAGAGCAACCTCATGCAGTTCTCTTTGTTGATGAAAAGGATGTTGTAGAGATAAATG
 AAAAGTTCACAGAGTTACTTTTGGCAATTACCAATTGTGAGGAGAGGTTTCAGCCTGTTTAAAAACAGAAA
 CAGACTAAGTAAAGGCCTCCAAATAGACGTGGGCTGTCTGTGAAAGTACAGCTGAGATCTGGGGAAGAA
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 GCATTGAAAAGTATTACGCAGGTCCTGGGACACAATGCAGGTCGAACTTCTCTTTGAAAATAAAT
 CCAGAGTTTCTTTGAAGTTGGAGAAAACAATAGAATCTGGAACAGTTATATTCTGTGATGTTTTGCCAGG
 AAAAGAAAGCTTAGGATATTTGTTGGTGTGGACATGGATAACCCATTGGCAACTGGGATGGAAGATTT
 GATGGAGTGCAGCTTTGTAGTTTTCGTGTGTTGAAAGTACAATTCTATTGCACATCAATGATATCATCC
 CAGAGAGTGTGACGCAGGAAAGGAGGCCTCCAAAAGTGCCTTTATGTCAAGAGGTGTTGGGGACAAAGG
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 CCACCAGGACTGAATGAAGTGTGCTGGACTGGAAGTGAAGTGTGAGTGTGAGGCTGTACGGATGGAA
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 GAGTACTTGAAGATGTCTCTGGAAGACCTGCATTCCTTGGACTCCAGGAGAAATCCAAGGCTGTGCACGAA
 GACTGCTTTGTGATGCATATATGTGCATGTACCAGAGTCCAACAATGAGTTTGTACAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204099 representing NM_001042355
 Red=Cloning site Green=Tags(s)

MSSGLWSQEKVTSPLYWEERIFYLLQECVTDKQTQKLLKVPKGSIGQYIQDRSVGHSRIPSAKGGKNQI
 GLKILEQPHAVLFVDEKDVVEINEKFTELLALITNCEERFSLFKNRNRLSKGLQIDVGCVPKVLRS
 GEEKFPVGRFRGPLLAERTVSGIFFGVELLEEGRGQGFDTGVYQKQLFQCEDEDCGVFVALDKLELIEDDDT
 ALESDYAGPGDTPQVELPPLLEINSRVSLKVGETIESGTVIFCDVLPKESLGYFVGVMDNPIGNWDGRF
 DGVQLCSFACVESTILLHINDIIPESVTQERRPKLAFMSRGGVGDGSSSHNKPKATGSTDGPNRNRSE
 LFYTLNGSSVDSQPQSKSKNTWYIDEVAEDPAKSLTEISTDFDRSSPPLQPPVNSLTENRFHSLPFLS
 TKMPNTNGSIGHSPLSLSAQSVMEELNTAPVQESPLAMPNGSHGLEVGSLAEVKNPPFYGVIRWIGQ
 PPGLNEVLAGLELEDECAGCTDGTFRGTRYFTCALKKALFVKLKSCRPSRFASLQPVSNQIERCNLAF
 GGYLSEVVEENTPPKMEKEGLEIMIGKKGIQGHYNACYLDSTLFLCLFAFSSVLDTVLLRPKEKNDVEYY
 SETQELLRTEIVNPLRIYGVVCAKIMKLRKILEKVEAASGFTSEEKDEEFLNILFHHILRVEPLLKIR
 SAGQKQVDCYFYQIFMEKNEKVGVPITIQQLLEWSFINSNLKFAEAPSCLIIQMPRFKDFKLFKIFPSL
 ELNITDLLEDTPRQCRIQGLAMYECRECYDDPDI SAGKIKQFCKTCNTQVHLHPKRLNHHKYNPVS
 LPKDLPDWDWRHGCIPQNMELFAVLCIETSHYVAFVKYGGKDDSAWLFDSMADRDGGQNGFNIPQVTPC
 PEVGEYLKMSLEDLHSLDSRRIQGCARRLLCDAYMCMYQSPTMSLYK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

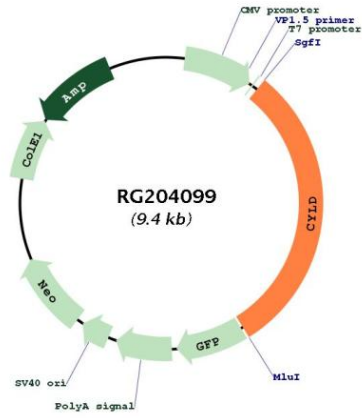


ACCN: NM_001042355

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_001042355.2
RefSeq Size:	8584 bp
RefSeq ORF:	2862 bp
Locus ID:	1540
UniProt ID:	Q9NQZ7
Cytogenetics:	16q12.1
Protein Families:	Druggable Genome
Protein Pathways:	RIG-I-like receptor signaling pathway
Gene Summary:	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 RG204099