

# Recombinant Full Length Human CYLD Protein, C-Flag-tagged

**Cat. No.** CYLD-943HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human CYLD Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | This gene is 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.                                                                                           |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 106.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MSSGLWSQEKVTSPYWEERIFYLLQECVTDKQTQKLLKVPKGSIGQYIQDRSVG<br>HSRIPSAKGKNQI GLKILEQPHAVLFVDEKDVVEINEKFTELLAITNCEERFSLFKN<br>RNRLSKGLQIDVGCPVKVQLRSCEE KFPGVVFRFRGPLLAERTVSGIFFGVELLEEG<br>RGQGFTDGVYQGKQLFQCDEDCGVFVALDKLELIEDDDT ALESDYAGPGDTMQVE<br>LPPLEINSRVSLKVGETIESGTVIFCDVLPGKESLG YFVGVDMDNPIGNWDGRF DGV<br>QLCSFACVESTILLHINDIIPESVTQERRPPKLA FMSRGGVGDKGSSSHNPKATGSTS<br>DPGNRNRSE LFYTLNGSSVDSQPQSKSKNTWYIDEVAEDPAKSLTEISTDFDRSSP<br>PLQPPPVNLSLTENRFHSLPFSL TKMPNTNGSIGHSPLSLSAQSVMEELNTAPVQE |

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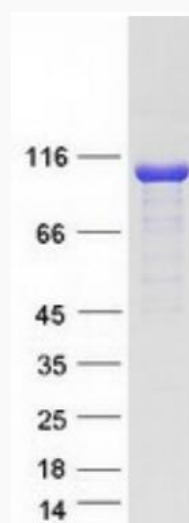
 45-1 Ramsey Road, Shirley, NY 11967, USA

SPPLAMPPGNSHGLEVGSLAEVKENPPFYGVIRWIGQ PPGLNEVLAGLELEDECAG  
 CTDGTFRGTRYFTCALKKALFVKLKSCRPDSPFASLQPVSNQIERCNSLAF GGYLS  
 EVVEENTPPKMEKEGLEIMIGKKKGIQGHYNSCYLDSTLFCLFAFSSVLDTVLLRPKE  
 KNDVEYY SETQELLRTEIVNPLRIYGYVCATKIMKLRKILEKVEAASGFTSEEKDPEE  
 FLNILFHHILRVEPLLKIR SAGQKVQDCYFYQIFMEKNEKVGVPPTIQQLLEWSFINSNL  
 KFAEAPSCLIQMPRFGKDFKLFKKIFPSL ELNITDLLEDTPRQCRICGGLAMYECRE  
 CYDDPDISAGKIKQFCKTCNTQVHLHPKRLNHKYNPVS LPKD LPDWDWRHGCIPC  
 QNMELFAVLCIETSHYVAFVKYKGDDSAWLFFDSMADRDGGQNGFNIPQVTPCPEV  
 G  
 EYLKMSLEDLHSLDSRRIQGCARRLLCDAYMCMYQSPTMSLYKTRTRPLEQKLISEE  
 DLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Druggable Genome                                                                                                                              |
| <b>Protein Pathways</b> | RIG-I-like receptor signaling pathway                                                                                                         |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| <b>Gene Name</b>       | CYLD CYLD lysine 63 deubiquitinase [ Homo sapiens (human) ]        |
| <b>Official Symbol</b> | CYLD                                                               |
| <b>Synonyms</b>        | EAC; MFT; SBS; TEM; BRSS; CDMT; MFT1; CYLD1; CYLDI; USPL2; FTDALS8 |
| <b>Gene ID</b>         | 1540                                                               |
| <b>mRNA Refseq</b>     | NM_001042355.2                                                     |
| <b>Protein Refseq</b>  | NP_001035814.1                                                     |
| <b>MIM</b>             | 605018                                                             |
| <b>UniProt ID</b>      | Q9NQC7                                                             |



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Coomassie blue staining of purified CYLD protein.

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