

## Recombinant Mouse Cyld Protein, Myc/DDK-tagged

**Cat. No.** Cyld-2408M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length CYLD lysine 63 deubiquitinase (Cyld), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Molecular Mass</b>	106.6 kDa
<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

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handling conditions. Avoid repeated freeze-thaw cycles.

**Storage** Store at -80 centigrade after receiving vials.

**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Cyld CYLD lysine 63 deubiquitinase \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Cyld](#)

**Synonyms** CYLD; cylindromatosis (turban tumor syndrome); ubiquitin carboxyl-terminal hydrolase CYLD; ubiquitin thioesterase CYLD; deubiquitinating enzyme CYLD; ubiquitin thiolesterase CYLD; ubiquitin-specific-processing protease CYLD; probable ubiquitin carboxyl-terminal hydrolase CYLD; EAC; CDMT; CYLD1; mKIAA0849; 2010013M14Rik; 2900009M21Rik; C130039D01Rik

**Gene ID** [74256](#)

**mRNA Refseq** [NM\\_001128171](#)

**Protein Refseq** [NP\\_001121643](#)

**UniProt ID** [Q80TQ2](#)

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