

Product datasheet for **MC228906**

Cyld (NM_001276279) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyld (NM_001276279) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyld
Synonyms:	2010013M14Rik; 2900009M21Rik; C130039D01Rik; CDMT; CYLD1; EAC; mKIAA0849
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228906 representing NM_001276279
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTTCAGGCCTGTGGAGCCAAGAGAAAGTTACTTCACCCACTGGGAAGAACGGATTTTTTATCTGC
 TTCTTCAAGAATGCAGTGTAAACAGACAAACAACTCAGAAGCTGCTGAAAGTACCCAAAGGGAGTATAGG
 ACAGTACATCCAAGACCGTTCTGTGGGGCATTCAAGAGTTCCTCCACAAAAGGCAAGAAAAATCAGATT
 GGATTAATAAATCTTGGAGCAACCGCATGCAGTTCTGTTTGTGATGAAAAGGATGTTGTAGAAAATAAATG
 AAAAATTCACAGAGTTACTGTTGGCAATTACCAACTGTGAGGAGAGGCTCAGCCTATTTAGAAAACAGACT
 CCGACTAAGTAAAGGCCTCCAGGTAGACGTGGGCAGTCTGTGAAAGTACAGCTGCGATCTGGGGAAGAG
 AAATTTCCAGGAGTTGTACGCTTCAGAGGACCTTTATTAGCGGAGAGGACGGTGTCCGGGATTTTCTTTG
 GAGTAGAATTATTGGAAGAAGTTCGTGGTCAAGGTTTACGGATGGGTATATCAAGGGAAGCAGCTTTT
 CCAGTGTGATGAGGACTGTGGCGTGTGTTGTCATTGGACAACTAGAATTATAGAAGATGATGACAAT
 GGATTGAAAAGTATTTTGCAGGCCAGGAGATACAATGCAGGTTGAACCTCCCCCTTTGAAAATAAAT
 CCAGAGTTTCTTTGAAGTTGGAGAAAAGTACAGAACTGGAACAGTAATATTCTGTGATGTTTTACCAGG
 AAAAGAGAGTCTAGGATATTTGTTGGTGTGGACATGGATAACCCCTATTGGCAACTGGGATGGAAGGTTT
 GATGGAGTACAGCTCTGTAGTTTGAAGTGTGAAAAGTACAATCTCCTGCACATCAATGACATCATCC
 CAGATAGCGTGACACAGGAAAGGAGGCCTCCAAAACCTGCCTTTATGTCAAGAGGTGTAGGTGACAAAGG
 TTCATCTAGTCATAATAAACCAAGGTTACAGGATCTACCTCAGACCCTGGAAGTAGAAAACAGATCTGAA
 TTATTTTATACCTTAAATGGGTCATCTGTTGACTCACAACTCAAGTCCAAAAATCCATGGTACATTG
 ATGAAGCATTGGGGCTATTTAAGTGAAGTAGTAGAAGAAAATACTCCACCTAAAATGGAAAAGGAAGG
 TTTAGAGATAATGATTGGAAAGAAGAAAGGCATCCAGGGCCATTACAATCTTGTACTTAGACTCAACT
 TTATTCTGCTTATTTGCTTTTAGTTCTGCCCTGGACACTGTGTTACTTAGACCCAAAGAGAGAATGATA
 TAGAGTATTACAGTGAGACTCAGGAGCTACTGAGGACAGAGATAGTCAATCCTCTGAGAATATATGGATA
 TGTGTGTGCCACAAGATTATGAAACTGAGGAAAATACTTGAAAAAGTTGAGGCTGCATCAGGTTTTACC
 TCTGAAGAAAAGATCCTGAAGAATCTTAAATATCCTGTTTCATGATTTTTAAGGGTTGAACCATTGT
 TAAAAATAAGATCAGCAGGTCAAAAAGTCAAGACTGTAACCTCTATCAAATTTTTATGGAAAAAATGA
 GAAAGTTGGAGTACCCACAATTCAGCAGTTATTAGAATGGTCTTTTATCAACAGCAACCTGAAATTTGCA
 GAGGCACCATCATGCTTGATTATCCAGATGCCTCGGTTTGGAAAAGACTTTAAACTATTTAAAAAATTT
 TTCTTCCCTGGAATTAATATAACAGATTTACTTGAAGCACTCCAGGCAGTGCCGCATCTGTGGAGG
 ACTTGCGATGTACGAGTGCAGGGAGTGCTATGACGATCCGGACATCTCAGCTGGGAAGATCAAGCAGTTC
 TGTAAGACCTGCAGCACTCAGGTTACCTTCATCCCAGGAGGTTGAATCATTCTTATCATCCAGTATCAC
 TTCCCAAAGACTTGCCTGACTGGGACTGGAGACACGGCTGCATCCCCTGTGAGAAGATGGAGTTATTTGC
 TGTTCTCTGCATAGAAACGAGCCACTATGTTGCTTTTGTGAAGTATGGGAAGGATGACTCTGCCTGGCTT
 TTCTTTGACAGCATGGCGGATCGAGATGGTGGTCAGAAATGGCTTCAACATTCACAAGTGACGCCCTGCC
 CAGAAGTGGGAGAGTACTTGAAGATGTCTCTGGAGGACCTGCACTCTTTGGATTCCAGAAGGATTC AAGG
 CTGTGCGCGCAGACTTCTTTGCGATGCATACATGTGCATGTACCAGAGTCCAACCATGAGCCTGTACAAA
 TAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001276279
 Insert Size: 2313 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001276279.1</u> , <u>NP_001263208.1</u>
RefSeq Size:	7599 bp
RefSeq ORF:	2313 bp
Locus ID:	74256
Cytogenetics:	8 C3
Gene Summary:	<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. [provided by RefSeq, Jan 2013]</p> <p>Transcript Variant: This variant (5, also known as short (s)-CYLD) differs in the 5' UTR and lacks several alternate exons in the coding region compared to variant 2. It encodes isoform c which is shorter than isoform b. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>