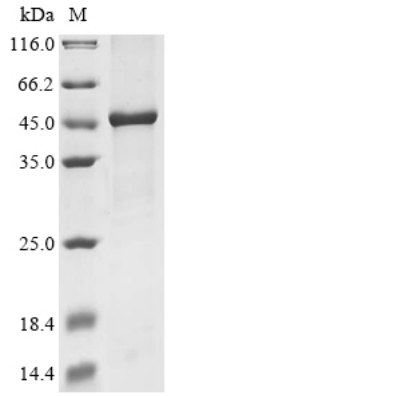
Recombinant Mouse Ubiquitin carboxyl-terminal hydrolase CYLD (Cyld), partial

Product Code	CSB-EP773899MO
Abbreviation	Recombinant Mouse Cyld protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q80TQ2
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	GLEIMIGKKKGIQGHYNSCYLDSTLFCLFAFSSALDTVLLRPKEKNDIEYYSETQ ELLRTEIVNPLRIYGYVCATKIMKLRKILEKVEAASGFTSEEKDPEEFLNILFHDIL RVEPLLKIRSAGQKVQDCNFYQIFMEKNEKVGVPTIQQLLEWSFINSNLKFAEA PSCLIIQMPRFGKDFKLFKKIFPSLELNITDLLEDTPRQCRICGGLAMYECRECY DDPDISAGKIKQFCKTCSTQVHLHPRRLNHSYHPVSLPKDLPDWDWRHGCIP CQKMELFAVLCIETSHYVAFVKYGKDDSAWLFFDSMADRDGGQNGFNIPQVT PCPEVGEYLKMSLEDLHSLDSRRIQGCARRLLCDAYMCMYQSPTMSLYK
Research Area	Cancer
Source	E.coli
Target Names	Cyld
Expression Region	579-952aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	50.6 kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The recombinant Mouse Cyld was expressed with the amino acid range of 579-952. This Cyld protein is expected to have a theoretical molecular weight of 50.6 kDa. The Cyld protein was expressed in e.coli. The Cyld coding gene included the N-terminal 10xHis tag and C-terminal Myc tag, which simplifies the detection and purification processes of the recombinant Cyld protein in following stages of expression and purification.

The mouse ubiquitin carboxyl-terminal hydrolase CYLD is a deubiquitinating enzyme that can remove ubiquitin chains from target proteins, thereby controlling protein stability and cellular signaling pathways. One of its main functions is to negatively regulate NF-κB signaling by deubiquitinating key components in the pathway. CYLD also influences other cellular processes such as cell cycle progression, apoptosis, and immune response. Dysregulation of CYLD has been linked to various diseases, including cancers and inflammatory disorders. Understanding the molecular functions of CYLD provides insights into its potential therapeutic applications in these conditions.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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