Datasheet for ABIN7564239

CYLD Protein (AA 1-952) (His tag)

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Overview

Quantity:	1 mg
Target:	CYLD
Protein Characteristics:	AA 1-952
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYLD protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cyld Protein expressed in mammalian cells.
Sequence:	MSSGLWSQEK VTSPYWEERI FYLLLQECSV TDKQTQKLLK VPKGSIGQYI QDRSVGHSRV PSTKGKKNQI GLKILEQPHA VLFVDEKDVV EINEKFTELL LAITNCEERL SLFRNRLRLS KGLQVDVGSP VKVQLRSGEE KFPGVVRFRG PLLAERTVSG IFFGVELLEE GRGQGFTDGV YQGKQLFQCD EDCGVFVALD KLELIEDDDN GLESDFAGPG DTMQVEPPPL EINSRVSLKV GESTESGTVI FCDVLPGKES LGYFVGVDMD NPIGNWDGRF DGVQLCSFAS VESTILLHIN DIIPDSVTQE RRPPKLAFMS RGVGDKGSSS HNKPKVTGST SDPGSRNRSE LFYTLNGSSV DSQQSKSKNP WYIDEVAEDP AKSLTEMSSD FGHSSPPPQP PSMNSLSSEN RFHSLPFSLT KMPNTNGSMA HSPLSLSVQS VMGELNSTPV QESPPLPISS GNAHGLEVGS LAEVKENPPF YGVIRWIGQP PGLSDVLAGL ELEDECAGCT DGTFRGTRYF TCALKKALFV KLKSCRPDSR FASLQPVSNQ IERCNSLAFG GYLSEVVEEN TPPKMEKEGL EIMIGKKKGI QGHYNSCYLD STLFCLFAFS SALDTVLLRP KEKNDIEYYS ETQELLRTEI VNPLRIYGYV CATKIMKLRK ILEKVEAASG FTSEEKDPEE FLNILFHDIL RVEPLLKIRS AGQKVQDCNF YQIFMEKNEK

Product Details

	VGVPTIQQLL EWSFINSNLK FAEAPSCLII QMPRFGKDFK LFKKIFPSLE LNITDLLEDT PRQCRICGGL AMYECRECYD DPDISAGKIK QFCKTCSTQV HLHPRRLNHS YHPVSLPKDL PDWDWRHGCI PCQKMELFAV LCIETSHYVA FVKYGKDDSA WLFFDSMADR DGGQNGFNIP QVTPCPEVGE YLKMSLEDLH SLDSRRIQGC ARRLLCDAYM CMYQSPTMSL YK **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	CYLD
Alternative Name:	Cyld (CYLD Products)
Background:	Ubiquitin carboxyl-terminal hydrolase CYLD (EC 3.4.19.12) (Deubiquitinating enzyme CYLD) (Ubiquitin thioesterase CYLD) (Ubiquitin-specific-processing protease CYLD),FUNCTION: Deubiquitinase that specifically cleaves 'Lys-63'- and linear 'Met-1'-linked polyubiquitin chains and is involved in NF-kappa-B activation and TNF-alpha-induced necroptosis

(PubMed:17548520, PubMed:28701375, PubMed:29291351, PubMed:32185393, PubMed:32424362). Negatively regulates NF-kappa-B activation by deubiquitinating upstream signaling factors (PubMed:16713561). Contributes to the regulation of cell survival, proliferation and differentiation via its effects on NF-kappa-B activation (PubMed:16713561). Negative regulator of Wnt signaling. Inhibits HDAC6 and thereby promotes acetylation of alpha-tubulin and stabilization of microtubules (PubMed:19893491). Plays a role in the regulation of microtubule dynamics, and thereby contributes to the regulation of cell proliferation, cell polarization, cell migration, and angiogenesis (PubMed:16713561, PubMed:20194890, PubMed:19893491). Required for normal cell cycle progress and normal cytokinesis (PubMed:19893491). Inhibits nuclear translocation of NF-kappa-B (By similarity). Plays a role in the regulation of inflammation and the innate immune response, via its effects on NF-kappa-B activation (By similarity). Dispensable for the maturation of intrathymic natural killer cells, but required for the continued survival of immature natural killer cells (PubMed:16501569, PubMed:18643924). Negatively regulates TNFRSF11A signaling and osteoclastogenesis (PubMed:18382763). Involved in the regulation of ciliogenesis, allowing ciliary basal bodies to migrate and dock to the plasma membrane, this process does not depend on NF-kappa-B activation (PubMed:25134987). Ability to remove linear ('Met-1'-linked) polyubiquitin chains regulates innate immunity and TNF-alpha-induced necroptosis: recruited to the LUBAC complex via interaction with SPATA2 and restricts linear polyubiquitin formation on target proteins (PubMed:28701375). Regulates innate immunity by restricting linear polyubiquitin formation on RIPK2 in response to NOD2 stimulation (By similarity). Involved in TNF-alpha-induced necroptosis by removing linear ('Met-1'-linked) polyubiquitin chains from RIPK1, thereby regulating the kinase activity of RIPK1 (PubMed:28701375). Negatively regulates intestinal inflammation by removing 'Lys-63' linked polyubiquitin chain of NLRP6, thereby reducing the interaction between NLRP6 and PYCARD/ASC and formation of the NLRP6 inflammasome (PubMed:32424362). Removes 'Lys-63' linked polyubiquitin chain of MAP3K7, which inhibits phosphorylation and blocks downstream activation of the JNK-p38 kinase cascades (PubMed:17548520, PubMed:29291351). Removes also 'Lys-63'-linked polyubiquitin chains of MAP3K1 and MA3P3K3, which inhibit their interaction with MAP2K1 and MAP2K2 (By similarity). {ECO:0000250|UniProtKB:Q9NQC7, ECO:0000269|PubMed:16501569, ECO:0000269|PubMed:16713561, ECO:0000269|PubMed:17548520, ECO:0000269|PubMed:18382763, ECO:0000269|PubMed:18643924, ECO:0000269|PubMed:19893491, ECO:0000269|PubMed:20194890, ECO:0000269|PubMed:25134987, ECO:0000269|PubMed:28701375, ECO:0000269|PubMed:29291351, ECO:0000269|PubMed:32185393, ECO:0000269|PubMed:32424362}.

Target Details

Molecular Weight:	106.6 kDa
UniProt:	Q80TQ2
Pathways:	Apoptosis, Activation of Innate immune Response

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

