

Recombinant Human CYLD, GST-tagged

Cat. No. CYLD-11760H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human CYLD protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength C-term-300a.a.

Description This gene 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.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name CYLD cylindromatosis (turban tumor syndrome) [Homo sapiens]

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Official Symbol	CYLD
Synonyms	CYLD; cylindromatosis (turban tumor syndrome); CYLD1; ubiquitin carboxyl-terminal hydrolase CYLD; KIAA0849; ubiquitin specific peptidase like 2; USPL2; ubiquitin thioesterase CYLD; deubiquitinating enzyme CYLD; ubiquitin thiolesterase CYLD; ubiquitin-specific-processing protease CYLD; probable ubiquitin carboxyl-terminal hydrolase CYLD; EAC; MFT; SBS; TEM; BRSS; CDMT; MFT1; CYLDI; HSPC057; FLJ20180; FLJ31664; FLJ78684;
Gene ID	1540
mRNA Refseq	NM_001042355
Protein Refseq	NP_001035814
MIM	605018
UniProt ID	Q9NQC7
Chromosome Location	16q12-q13
Pathway	Canonical NF-kappaB pathway, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; NOD1/2 Signaling Pathway, organism-specific biosystem; Negative regulators of RIG-I/MDA5 signaling, organism-specific biosystem; Nucleotide-binding domain, leucine rich repeat containing receptor (NLR) signaling pathways, organism-specific biosystem; Osteoclast differentiation, organism-specific biosystem;
Function	cysteine-type peptidase activity; metal ion binding; peptidase activity; proline-rich region binding; protein binding; protein kinase binding; structural constituent of

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ribosome; ubiquitin thiolesterase activity; ubiquitin-specific protease activity; zinc

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