

## Product datasheet for KN204099LP

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### **CYLD Human Gene Knockout Kit (CRISPR)**

**Product data:** 

**Product Type:** Knockout Kits (CRISPR)

**Format:** 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

**Donor DNA:** Luciferase-Puro

Symbol: CYLD Locus ID: 1540

**Components:** KN204099G1, CYLD gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN204099G2, CYLD gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN204099LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

**GE100003**, scramble sequence in pCas-Guide vector

**Disclaimer:** These products are manufactured and supplied by OriGene under license from ERS. The kit is

designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the

experimental process.

RefSeq: <u>NM 001042355, NM 001042412, NM 015247, NM 016385</u>

UniProt ID: Q9NQC7

Synonyms: BRSS; CDMT; CYLD1; CYLD1; EAC; MFT; MFT1; SBS; TEM; USPL2

**Summary:** This gene is 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

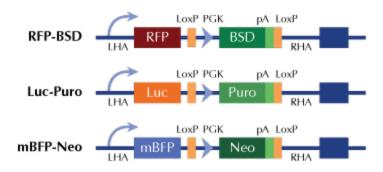
isoforms, have been characterized. [provided by RefSeq, Jul 2008]





# **Product images:**

#### Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter