

Product datasheet for **KN204099BN**

CYLD Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	CYLD
Locus ID:	1540
Components:	<p>KN204099G1, CYLD gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTTACCCTACTGGGAAGAG</p> <p>KN204099G2, CYLD gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGGGTGAAGTGAAGTCTTTTCT</p> <p>KN204099BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p>

Homologous arm and mBFP-Neo sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **mBFP-Neo in green**; **Right arm in violet**

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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCCGGC
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GGTATGGCTT CATTAGCTC CGGTTCCCAA CGATC

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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:

[NM_001042355](#), [NM_001042412](#), [NM_015247](#), [NM_016385](#)

UniProt ID:

[Q9NQC7](#)

Synonyms:

BRSS; CDMT; CYLD1; CYLDI; EAC; MFT; MFT1; SBS; TEM; USPL2

Summary:

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. [provided by RefSeq, Jul 2008]

Product images:

