

Product datasheet for **KN216067**

RQCD1 (CNOT9) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	RQCD1
Locus ID:	9125
Components:	<p>KN216067G1, RQCD1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAACATGCACAGCCTGGCGA</p> <p>KN216067G2, RQCD1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGCTCACAACATGCACAGCC</p> <p>KN216067D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC
AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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ACAGGCATCG TGGTGTACG CTCGTCGTTT GGTATGGCTT CATTACGCTC CGTTCCCAA 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_001271634](#), [NM_001271635](#), [NM_005444](#), [NR_073390](#)

UniProt ID:

[Q92600](#)

Synonyms:

CAF40; CT129; RCD-1; RCD1; RQCD1

Summary:

This gene encodes a member of the highly conserved RCD1 protein family. The encoded protein is a transcriptional cofactor and a core protein of the CCR4-NOT complex. It may be involved in signal transduction as well as retinoic acid-regulated cell differentiation and development. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Oct 2012]

Product images:

