

Product datasheet for **KN203463**

CUL4A 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:	CUL4A
Locus ID:	8451
Components:	<p>KN203463G1, CUL4A gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGCCTGTGAAGACCACGTCC</p> <p>KN203463G2, CUL4A gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAAGGATCTGTGCCTGGACG</p> <p>KN203463D, 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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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCCGGC
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 TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

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_001008895](#), [NM_001278513](#), [NM_001278514](#), [NM_003589](#), [NM_001354938](#),
[NM_001354939](#), [NM_001354940](#), [NM_001354941](#), [NM_001354942](#), [NM_001354943](#),
[NM_001354944](#)

UniProt ID:

[Q13619](#)

Synonyms:

cullin 4A; OTTHUMP00000018753; OTTHUMP00000018754

Summary:

CUL4A is the ubiquitin ligase component of a multimeric complex involved in the degradation of DNA damage-response proteins (Liu et al., 2009 [PubMed 19481525]).[supplied by OMIM, Oct 2009]

Product images:

