

## Product datasheet for **KN303251**

### Chd7 Mouse 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:** Chd7  
**Locus ID:** 320790  
**Components:** **KN303251G1**, Chd7 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGGGGTAGCCACATTCCCCG  
**KN303251G2**, Chd7 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGAGTCTTTTTGGCGAGGAT  
**KN303251D**, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

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
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CTACAGGCAT CGTGGTGTCA CGCTCGCTG TTGGTATGGC TTCATTACGC TCCGGTTCC AACGATC

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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\\_001081417](#), [NM\\_001277149](#), [NM\\_001033395](#)

**UniProt ID:**

[A2AJK6](#)

**Synonyms:**

A730019I05Rik; Cync; Cyn; Dz; Edy; Flo; Lda; Mt; Obt; RP23-464N23.1; Todo; WBE1; Whi

**Summary:**

This gene encodes a protein containing two chromodomains and an ATP-binding helicase domain that functions as a regulator of transcription. Mutations in this gene result in an array of development defects, including inner ear problems. Mice defective for this gene exhibit many of the clinical features of the CHARGE syndrome caused by mutations in the homologous gene in human. [provided by RefSeq, Sep 2015]

Product images:

