

# Product datasheet for KN221060LP

# OriGene Technologies, Inc.

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## **CHD7 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: CHD7 Locus ID: 55636

**Components:** KN221060G1, CHD7 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN221060G2, CHD7 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN221060LPD, 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 001316690, NM 017780, NM 017783</u>

UniProt ID: Q9P2D1

Synonyms: CRG; HH5; IS3; KAL5

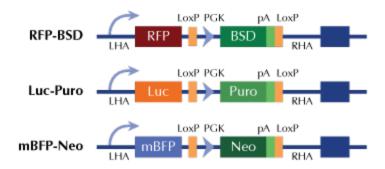
**Summary:** This gene encodes a protein that contains several helicase family domains. Mutations in this

gene have been found in some patients with the CHARGE syndrome. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]



# **Product images:**

### Donor Vector Edited Chromosome



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