

## Product datasheet for KN206895LP

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### **DLX1 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: DLX1 Locus ID: 1745

**Components:** KN206895G1, DLX1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN206895G2, DLX1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN206895LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 001038493</u>, <u>NM 178120</u>

UniProt ID: P56177

Synonyms: distal-less homeo box 1; distal-less homeobox 1; OTTHUMP00000082494;

OTTHUMP00000082497

Summary: This gene encodes a member of a homeobox transcription factor gene family similar to the

Drosophila distal-less gene. The encoded protein is localized to the nucleus where it may function as a transcriptional regulator of signals from multiple TGF-{beta} superfamily members. The encoded protein may play a role in the control of craniofacial patterning and the differentiation and survival of inhibitory neurons in the forebrain. This gene is located in

a tail-to-tail configuration with another member of the family on the long arm of

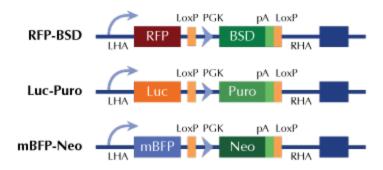
chromosome 2. Alternatively spliced transcript variants encoding different isoforms have

been described. [provided by RefSeq, Jul 2008]



# **Product images:**

### Donor Vector Edited Chromosome



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