

Product datasheet for **KN206895**

DLX1 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:	DLX1
Locus ID:	1745
Components:	<p>KN206895G1, DLX1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AAACACCGCCTTGCCCCGACA</p> <p>KN206895G2, DLX1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AAGTCTCAACAGCCCCGTGT</p> <p>KN206895D, 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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 CTACAGGCAT CGTGGTGTCA CGCTCGCTG TTGGTATGGC TTCATTACG TCCGGTTCC AACGATC

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_001038493](#), [NM_178120](#)

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- β 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:

