

Product datasheet for KN202187BN

DLX4 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo

Symbol: DLX4 Locus ID: 1748

KN202187G1, DLX4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN202187G2, DLX4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN202187BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

NM 001934, NM 138281 RefSeq:

UniProt ID: Q92988

Synonyms: BP1; DLX7; DLX8; DLX9; OFC15

Summary: Many vertebrate homeo box-containing genes have been identified on the basis of their

> sequence similarity with Drosophila developmental genes. Members of the Dlx gene family contain a homeobox that is related to that of Distal-less (DII), a gene expressed in the head and limbs of the developing fruit fly. The Distal-less (Dlx) family of genes comprises at least 6 different members, DLX1-DLX6. The DLX proteins are postulated to play a role in forebrain and craniofacial development. Three transcript variants have been described for this gene, however, the full length nature of one variant has not been described. Studies of the two splice variants revealed that one encoded isoform functions as a repressor of the beta-globin

gene while the other isoform lacks that function. [provided by RefSeq, Jul 2008]



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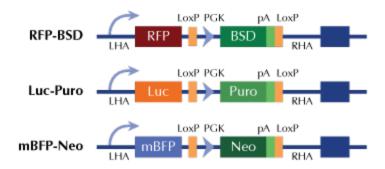
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Product images:

Donor Vector Edited Chromosome



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