

Product datasheet for KN304621LP

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

DII3 Mouse 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: DII3

Locus ID: 13389

Components: KN304621G1, Dll3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN304621G2, Dll3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN304621LPD, 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 007866</u>

UniProt ID: <u>088516</u>

Synonyms: pu; pudgy

Summary: Inhibits primary neurogenesis. May be required to divert neurons along a specific

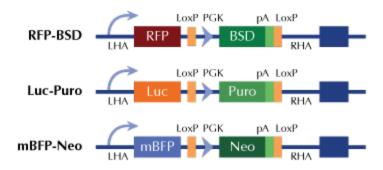
differentiation pathway. Plays a role in the formation of somite boundaries during

segmentation of the paraxial mesoderm.[UniProtKB/Swiss-Prot Function]



Product images:

Donor Vector Edited Chromosome



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