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Product datasheet for KN304621

Dll3 Mouse 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: Dll3

Locus ID: 13389

Components: **KN304621G1**, Dll3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTTTCCCAGACGCTGATCC
KN304621G2, Dll3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AAAAGCCAGGATCAGCGTCT
KN304621D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.
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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CAGCTCCGGT TCCCAACGAT C

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.

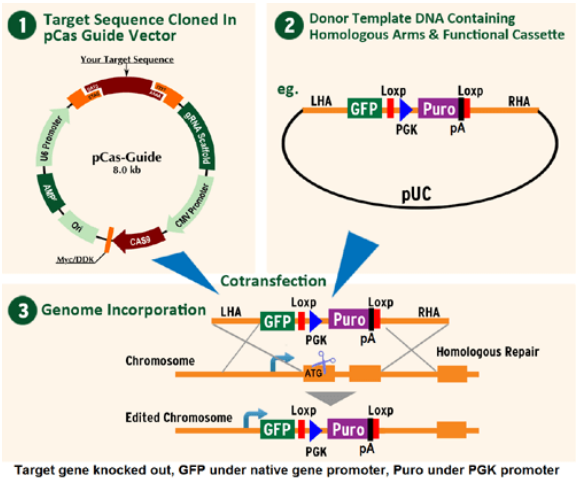
RefSeq: NM_007866

UniProt ID: O88516

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:



Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter