

Product datasheet for **KN308828LP**

Klf15 Mouse Gene Knockout Kit (CRISPR)

Product data:

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|---------------|---|
| Product Type: | Knockout Kits (CRISPR) |
| Format: | 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control |
| Donor DNA: | Luciferase-Puro |
| Symbol: | Klf15 |
| Locus ID: | 66277 |
| Components: | KN308828G1 , Klf15 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN308828G2 , Klf15 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN308828LPD , 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: [NM_023184](#), [NM_001355668](#)

UniProt ID: [Q9EPW2](#)

Synonyms: 1810013I09Rik; AV048136; AW494632; CKLF; KCLF

Summary: Transcriptional regulator that binds to the GA element of the CLCNKA promoter (By similarity). Binds to the KCNIP2 promoter and regulates KCNIP2 circadian expression in the heart. Is a repressor of CCN2 expression, involved in the control of cardiac fibrosis. Is also involved in the control of cardiac hypertrophy acting through the inhibition of MEF2A, GATA4 and MYOCD activity. Is a negative regulator of TP53 acetylation. Inhibits NF-kappa-B activation through repression of EP300-dependent RELA acetylation (By similarity). Involved in podocyte differentiation.[UniProtKB/Swiss-Prot Function]



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Product images:

