

Product datasheet for **KN315927LP**

Slc22a17 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: | Slc22a17 |
| Locus ID: | 59049 |
| Components: | KN315927G1 , Slc22a17 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN315927G2 , Slc22a17 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN315927LPD , 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_021551 , NM_001360406 |
| UniProt ID: | Q9D9E0 |
| Synonyms: | 24p3R; 1700094C23Rik; AU041908; AW555662; Boct; BOIT |
| Summary: | Cell surface receptor for LCN2 (24p3) that plays a key role in iron homeostasis and transport. Able to bind iron-bound LCN2 (holo-24p3), followed by internalization of holo-24p3 and release of iron, thereby increasing intracellular iron concentration and leading to inhibition of apoptosis. Also binds iron-free LCN2 (apo-24p3), followed by internalization of apo-24p3 and its association with an intracellular siderophore, leading to iron chelation and iron transfer to the extracellular medium, thereby reducing intracellular iron concentration and resulting in apoptosis.[UniProtKB/Swiss-Prot Function] |



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Product images:

