

Product datasheet for **KN306223LP**

G6pdx 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: | G6pdx |
| Locus ID: | 14381 |
| Components: | KN306223G1 , G6pdx gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN306223G2 , G6pdx gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN306223LPD , 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_008062 |
| UniProt ID: | Q00612 |
| Synonyms: | G6pd; G28A; Gpdx |
| Summary: | Catalyzes the rate-limiting step of the oxidative pentose-phosphate pathway, which represents a route for the dissimilation of carbohydrates besides glycolysis. The main function of this enzyme is to provide reducing power (NADPH) and pentose phosphates for fatty acid and nucleic acid synthesis (By similarity).[UniProtKB/Swiss-Prot Function] |



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Product images:

