

## Product datasheet for **KN306419RB**

### Gfpt1 Mouse Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	Gfpt1
Locus ID:	14583
Components:	<p><b>KN306419G1</b>, Gfpt1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN306419G2</b>, Gfpt1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN306419RBD</b>, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
Disclaimer:	<p>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.</p>
RefSeq:	<u><a href="#">NM_013528</a></u>
UniProt ID:	<u><a href="#">P47856</a></u>
Synonyms:	2810423A18Rik; AI324119; AI449986; GFA; GFAT; GFAT1; GFAT1m; Gfpt
Summary:	Controls the flux of glucose into the hexosamine pathway. Most likely involved in regulating the availability of precursors for N- and O-linked glycosylation of proteins. Regulates the circadian expression of clock genes ARNTL/BMAL1 and CRY1.[UniProtKB/Swiss-Prot Function]



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## Product images:

