

## Product datasheet for **KN213341RB**

### GPD2 Human 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:	GPD2
Locus ID:	2820
Components:	<b>KN213341G1</b> , GPD2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN213341G2</b> , GPD2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN213341RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_000408</a> , <a href="#">NM_001083112</a>
UniProt ID:	<a href="#">P43304</a>
Synonyms:	GDH2; GPDM; mGPDH
Summary:	The protein encoded by this gene localizes to the inner mitochondrial membrane and catalyzes the conversion of glycerol-3-phosphate to dihydroxyacetone phosphate, using FAD as a cofactor. Along with GDP1, the encoded protein constitutes the glycerol phosphate shuttle, which reoxidizes NADH formed during glycolysis. Two transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Jan 2010]



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## Product images:

