

## Product datasheet for **KN211329**

### PFKFB2 Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	PFKFB2
Locus ID:	5208
Components:	<b>KN211329G1</b> , PFKFB2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN211329G2</b> , PFKFB2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN211329D</b> , donor DNA containing left and right homologous arms and GFP-puro 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_001018053</a> , <a href="#">NM_006212</a>
UniProt ID:	<a href="#">O60825</a>
Synonyms:	PFK-2/FBPase-2
Summary:	The protein encoded by this gene is involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. The encoded protein has a 6-phosphofructo-2-kinase activity that catalyzes the synthesis of fructose-2,6-bisphosphate, and a fructose-2,6-bisphosphatase activity that catalyzes the degradation of fructose-2,6-bisphosphate. This protein regulates fructose-2,6-bisphosphate levels in the heart, while a related enzyme encoded by a different gene regulates fructose-2,6-bisphosphate levels in the liver and muscle. This enzyme functions as a homodimer. Two transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]



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Product images:

