

## Product datasheet for **KN204453RB**

### **HNF1 beta (HNF1B) Human Gene Knockout Kit (CRISPR)**

#### **Product data:**

<b>Product Type:</b>	Knockout Kits (CRISPR)
<b>Format:</b>	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
<b>Donor DNA:</b>	RFP-BSD
<b>Symbol:</b>	HNF1 beta
<b>Locus ID:</b>	6928
<b>Components:</b>	<b>KN204453G1</b> , HNF1 beta gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN204453G2</b> , HNF1 beta gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN204453RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
<b>Disclaimer:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_000458</a> , <a href="#">NM_001165923</a> , <a href="#">NM_001304286</a> , <a href="#">NM_006481</a>
<b>UniProt ID:</b>	<a href="#">P35680</a>
<b>Synonyms:</b>	FJHN; HNF-1-beta; HNF-1B; HNF1beta; HNF2; HPC11; LF-B3; LFB3; MODY5; TCF-2; TCF2; VHNF1
<b>Summary:</b>	This gene encodes a member of the homeodomain-containing superfamily of transcription factors. The protein binds to DNA as either a homodimer, or a heterodimer with the related protein hepatocyte nuclear factor 1-alpha. The gene has been shown to function in nephron development, and regulates development of the embryonic pancreas. Mutations in this gene result in renal cysts and diabetes syndrome and noninsulin-dependent diabetes mellitus, and expression of this gene is altered in some types of cancer. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]



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## Product images:

