

## Product datasheet for **KN204453RB**

### **HNF1 beta (HNF1B) 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:	HNF1 beta
Locus ID:	6928
Components:	<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
RefSeq:	<a href="#">NM_000458</a> , <a href="#">NM_001165923</a> , <a href="#">NM_001304286</a> , <a href="#">NM_006481</a>
UniProt ID:	<a href="#">P35680</a>
Synonyms:	FJHN; HNF-1-beta; HNF-1B; HNF1beta; HNF2; HPC11; LF-B3; LFB3; MODY5; TCF-2; TCF2; VHNF1
Summary:	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:

