

## Product datasheet for **KN206355BN**

### **PBP (PEBP1) Human Gene Knockout Kit (CRISPR)**

#### **Product data:**

<b>Product Type:</b>	Knockout Kits (CRISPR)
<b>Format:</b>	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
<b>Donor DNA:</b>	mBFP-Neo
<b>Symbol:</b>	PBP
<b>Locus ID:</b>	5037
<b>Components:</b>	<b>KN206355G1</b> , PBP gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN206355G2</b> , PBP gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN206355BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo 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_002567</a>
<b>UniProt ID:</b>	<a href="#">P30086</a>
<b>Synonyms:</b>	HCNP; HCNPPP; HEL-210; HEL-S-34; HEL-S-96; PBP; PEBP; PEBP-1; RKIP
<b>Summary:</b>	This gene encodes a member of the phosphatidylethanolamine-binding family of proteins and has been shown to modulate multiple signaling pathways, including the MAP kinase (MAPK), NF-kappa B, and glycogen synthase kinase-3 (GSK-3) signaling pathways. The encoded protein can be further processed to form a smaller cleavage product, hippocampal cholinergic neurostimulating peptide (HCNP), which may be involved in neural development. This gene has been implicated in numerous human cancers and may act as a metastasis suppressor gene. Multiple pseudogenes of this gene have been identified in the genome. [provided by RefSeq, Jul 2015]



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## Product images:

