

## Product datasheet for **KN208673BN**

### **BMPR2 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>	BMPR2
<b>Locus ID:</b>	659
<b>Components:</b>	<b>KN208673G1</b> , BMPR2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN208673G2</b> , BMPR2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN208673BND</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_001204</a> , <a href="#">NM_033346</a>
<b>UniProt ID:</b>	<a href="#">Q13873</a>
<b>Synonyms:</b>	BMPR-II; BMPR3; BMR2; BRK-3; POVD1; PPH1; T-ALK
<b>Summary:</b>	This gene encodes a member of the bone morphogenetic protein (BMP) receptor family of transmembrane serine/threonine kinases. The ligands of this receptor are members of the TGF-beta superfamily. BMPs are involved in endochondral bone formation and embryogenesis. These proteins transduce their signals through the formation of heteromeric complexes of two different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Mutations in this gene have been associated with primary pulmonary hypertension, both familial and fenfluramine-associated, and with pulmonary venoocclusive disease. [provided by RefSeq, May 2020]



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**Product images:**
