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Product datasheet for KN208673LP

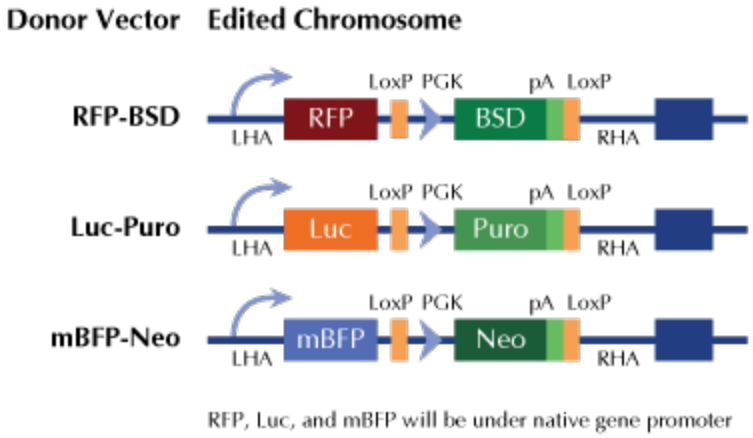
BMPR2 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	BMPR2
Locus ID:	659
Components:	**KN208673G1**, BMPR2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN208673G2**, BMPR2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN208673LPD**, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. **GE100003**, 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:	NM_001204, NM_033346
UniProt ID:	Q13873
Synonyms:	BMPR-II; BMPR3; BMR2; BRK-3; POVD1; PPH1; T-ALK
Summary:	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]

View online »

Product images:



RFP, Luc, and mBFP will be under native gene promoter