

# Product datasheet for KN210928BN

## NRP2 Human Gene Knockout Kit (CRISPR)

### **Product data:**

#### OriGene Technologies, Inc.

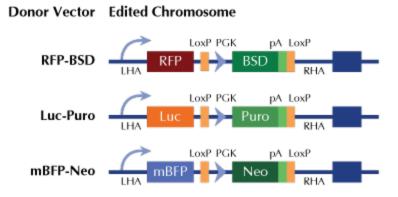
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Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	NRP2
Locus ID:	8828
Components:	<ul> <li>KN210928G1, NRP2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</li> <li>KN210928G2, NRP2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</li> <li>KN210928BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</li> <li>GE100003, scramble sequence in pCas-Guide vector</li> </ul>
RefSeq:	<u>NM 003872, NM 018534, NM 201264, NM 201266, NM 201267, NM 201279</u>
UniProt ID:	<u>O60462</u>
Synonyms:	NP2; NPN2; PRO2714; VEGF165R2
Summary:	This gene encodes a member of the neuropilin family of receptor proteins. The encoded transmembrane protein binds to SEMA3C protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C} and SEMA3F protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F}, and interacts with vascular endothelial growth factor (VEGF). This protein may play a role in cardiovascular development, axon guidance, and tumorigenesis. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]



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#### **Product images:**



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

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