

Product datasheet for **KN202952RB**

Neuropilin 1 (NRP1) 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: Neuropilin 1

Locus ID: 8829

Components: **KN202952G1**, Neuropilin 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)
KN202952G2, Neuropilin 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)
KN202952RBD, donor DNA containing left and right homologous arms and RFP-BSD 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_001024628](#), [NM_001024629](#), [NM_001244972](#), [NM_001244973](#), [NM_003873](#), [NR_045259](#), [NM_001330068](#)

UniProt ID: [O14786](#)

Synonyms: BDCA4; CD304; NP1; NRP; VEGF165R

Summary: This gene encodes one of two neuropilins, which contain specific protein domains which allow them to participate in several different types of signaling pathways that control cell migration. Neuropilins contain a large N-terminal extracellular domain, made up of complement-binding, coagulation factor V/VIII, and meprin domains. These proteins also contains a short membrane-spanning domain and a small cytoplasmic domain. Neuropilins bind many ligands and various types of co-receptors; they affect cell survival, migration, and attraction. Some of the ligands and co-receptors bound by neuropilins are vascular endothelial growth factor (VEGF) and semaphorin family members. This protein has also been determined to act as a co-receptor for SARS-CoV-2 (which causes COVID-19) to infect host cells. [provided by RefSeq, Nov 2020]



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Product images:

