

Product datasheet for **KN202952LP**

Neuropilin 1 (NRP1) 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:	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) KN202952LPD , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. GE100003 , scramble sequence in pCas-Guide vector
RefSeq:	NM_001024628 , NM_001024629 , NM_001244972 , NM_001244973 , NM_003873 , NR_045259 , NM_001330068
UniProt ID:	Q14786
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:

