

Product datasheet for KN313500RB

Plxna1 Mouse Gene Knockout Kit (CRISPR)

Product data:

OriGene Technologies, Inc.

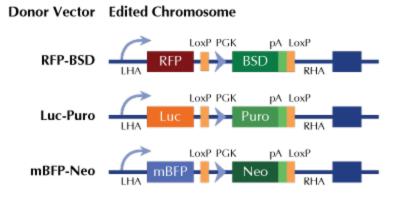
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Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	Plxna1
Locus ID:	18844
Components:	 KN313500G1, Plxna1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN313500G2, Plxna1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN313500RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette. GE100003, scramble sequence in pCas-Guide vector
RefSeq:	<u>NM 008881</u>
UniProt ID:	<u>P70206</u>
Synonyms:	2600013D04Rik; mKIAA4053; NOV; PlexA1; Plxn1
Summary:	Coreceptor for SEMA3A, SEMA3C, SEMA3F and SEMA6D. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm.[UniProtKB/Swiss-Prot Function]



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Product images:



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

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