

Product datasheet for **KN313500RB**

Plxna1 Mouse 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:	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

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_008881](#)

UniProt ID: [P70206](#)

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:

