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Product datasheet for KN211961RB

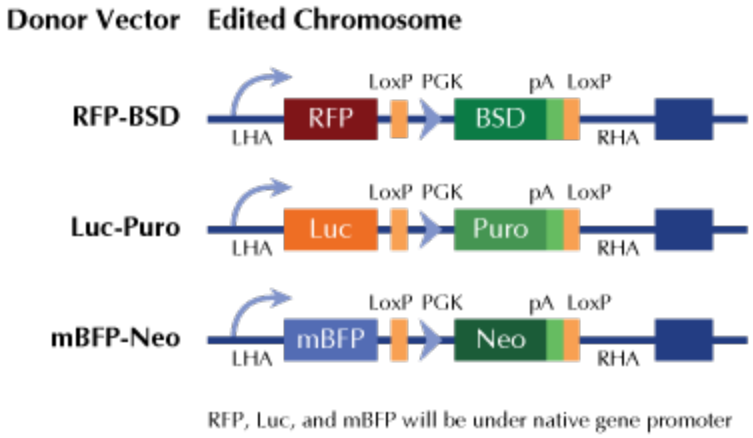
ROBO1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	ROBO1
Locus ID:	6091
Components:	**KN211961G1**, ROBO1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN211961G2**, ROBO1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN211961RBD**, donor DNA containing left and right homologous arms and RFP-BSD functional cassette. **GE100003**, scramble sequence in pCas-Guide vector
RefSeq:	NM_001145844, NM_001145845, NM_002941, NM_133631
UniProt ID:	Q9Y6N7
Synonyms:	axon guidance receptor; DUTT1; FLJ21882; MGC131599; MGC133277; roundabout, axon guidance receptor, homolog 1 (Drosophila); roundabout 1; SAX3
Summary:	Bilateral symmetric nervous systems have special midline structures that establish a partition between the two mirror image halves. Some axons project toward and across the midline in response to long-range chemoattractants emanating from the midline. The product of this gene is a member of the immunoglobulin gene superfamily and encodes an integral membrane protein that functions in axon guidance and neuronal precursor cell migration. This receptor is activated by SLIT-family proteins, resulting in a repulsive effect on glioma cell guidance in the developing brain. A related gene is located at an adjacent region on chromosome 3. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]

View online »

Product images:



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