

## 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:	<b>KN211961G1</b> , ROBO1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN211961G2</b> , ROBO1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN211961RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_001145844</a> , <a href="#">NM_001145845</a> , <a href="#">NM_002941</a> , <a href="#">NM_133631</a>
UniProt ID:	<a href="#">Q9Y6N7</a>
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]



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## Product images:

