

## Product datasheet for **KN219030RB**

### **SORCS1 Human Gene Knockout Kit (CRISPR)**

#### **Product data:**

<b>Product Type:</b>	Knockout Kits (CRISPR)
<b>Format:</b>	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
<b>Donor DNA:</b>	RFP-BSD
<b>Symbol:</b>	SORCS1
<b>Locus ID:</b>	114815
<b>Components:</b>	<b>KN219030G1</b> , SORCS1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN219030G2</b> , SORCS1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN219030RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
<b>Disclaimer:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_001013031</a> , <a href="#">NM_001206569</a> , <a href="#">NM_001206570</a> , <a href="#">NM_001206571</a> , <a href="#">NM_001206572</a> , <a href="#">NM_052918</a>
<b>UniProt ID:</b>	<a href="#">Q8WY21</a>
<b>Synonyms:</b>	hSorCS
<b>Summary:</b>	This gene encodes one family member of vacuolar protein sorting 10 (VPS10) domain-containing receptor proteins. The VPS10 domain name comes from the yeast carboxypeptidase Y sorting receptor Vps10 protein. Members of this gene family are large with many exons but the CDS lengths are usually less than 3700 nt. Very large introns typically separate the exons encoding the VPS10 domain; the remaining exons are separated by much smaller-sized introns. These genes are strongly expressed in the central nervous system. Two of the five family members (sortilin and sortilin-related receptor) are synthesized as preproteins; it is not yet known if this encoded protein is also a preproprotein. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]



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Product images:

