

## Product datasheet for **KN311193RB**

### Nr1d1 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:	Nr1d1
Locus ID:	217166
Components:	<b>KN311193G1</b> , Nr1d1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN311193G2</b> , Nr1d1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN311193RBD</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:** [NM\\_145434](#)  
**UniProt ID:** [Q3UV55](#)  
**Synonyms:** A530070C09Rik; R75201

**Summary:** This gene encodes a transcription factor that is a member of the nuclear receptor subfamily 1. The encoded protein is a ligand-sensitive transcription factor that negatively regulates the expression of core clock proteins. In particular this protein represses the circadian clock transcription factor aryl hydrocarbon receptor nuclear translocator-like protein 1 (Arntl). This protein may also be involved in regulating genes that function in metabolic, inflammatory and cardiovascular processes. [provided by RefSeq, Feb 2014]



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## Product images:

