

## **Product datasheet for KN200145RB**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

### Ceramide synthase 2 (CERS2) 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:** Ceramide synthase 2

**Locus ID:** 29956

**Components: KN200145G1**, Ceramide synthase 2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN200145G2**, Ceramide synthase 2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

 $\textbf{KN200145RBD}, \ donor\ \mathsf{DNA}\ containing\ \mathsf{left}\ \mathsf{and}\ \mathsf{right}\ \mathsf{homologous}\ \mathsf{arms}\ \mathsf{and}\ \mathsf{RFP-BSD}$ 

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: <u>NM 013384, NM 022075, NM 181746</u>

UniProt ID: Q96G23

Synonyms: FLJ10243; L3; MGC987; SP260; TMSG1

**Summary:** This gene encodes a protein that has sequence similarity to yeast longevity assurance gene 1.

Mutation or overexpression of the related gene in yeast has been shown to alter yeast lifespan. The human protein may play a role in the regulation of cell growth. Alternatively spliced transcript variants encoding the same protein have been described. [provided by

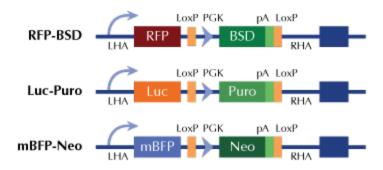
RefSeq, Jul 2008]





# **Product images:**

### Donor Vector Edited Chromosome



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