

Product datasheet for KN200145LP

OriGene Technologies, Inc.

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Ceramide synthase 2 (CERS2) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

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) **KN200145LPD**, donor DNA containing left and right homologous arms and Luciferase-Puro

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

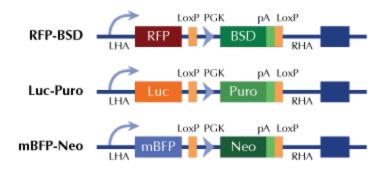
RefSeq, Jul 2008]





Product images:

Donor Vector Edited Chromosome



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