

Product datasheet for KN200824LP

OriGene Technologies, Inc.

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LZTS2 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: LZTS2 Locus ID: 84445

Components: KN200824G1, LZTS2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN200824G2, LZTS2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN200824LPD, 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: NM 001318099, NM 001318100, NM 001318101, NM 032429

UniProt ID: Q9BRK4
Synonyms: LAPSER1

Summary: The protein encoded by this gene belongs to the leucine zipper tumor suppressor family of

proteins, which function in transcription regulation and cell cycle control. This family member can repress beta-catenin-mediated transcriptional activation and is a negative regulator of the Wnt signaling pathway. It negatively regulates microtubule severing at centrosomes, and is necessary for central spindle formation and cytokinesis completion. It is implicated in

cancer, where it may inhibit cell proliferation and decrease susceptibility to tumor

development. Alternative splicing of this gene results in multiple transcript variants. [provided

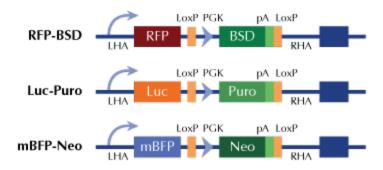
by RefSeq, Dec 2015]





Product images:

Donor Vector Edited Chromosome



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