

Product datasheet for KN203397LP

OriGene Technologies, Inc.

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Lin28 (LIN28A) 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: Lin28 Locus ID: 79727

Components: KN203397G1, Lin28 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN203397G2, Lin28 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN203397LPD, 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 024674

 UniProt ID:
 Q9H9Z2

Synonyms: CSDD1; LIN-28; lin-28A; LIN28; ZCCHC1

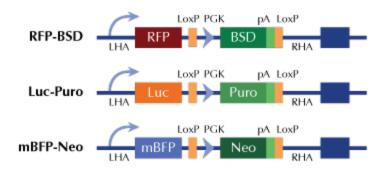
Summary: This gene encodes a LIN-28 family RNA-binding protein that acts as a posttranscriptional

regulator of genes involved in developmental timing and self-renewal in embryonic stem cells. The encoded protein functions through direct interaction with target mRNAs and by disrupting the maturation of certain miRNAs involved in embryonic development. This protein prevents the terminal processing of the LET7 family of microRNAs which are major regulators of cellular growth and differentiation. Aberrant expression of this gene is associated with cancer progression in multiple tissues. [provided by RefSeq, Sep 2015]



Product images:

Donor Vector Edited Chromosome



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