

## Product datasheet for **KN203397LP**

### 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:	<b>KN203397G1</b> , Lin28 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN203397G2</b> , Lin28 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN203397LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro 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\\_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]



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Product images:

