

# **Product datasheet for KN206105LP**

## OriGene Technologies, Inc.

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## CDC2L6 (CDK19) 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: CDC2L6 Locus ID: 23097

**Components:** KN206105G1, CDC2L6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN206105G2**, CDC2L6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN206105LPD, 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 001300960, NM 001300963, NM 001300964, NM 015076</u>

UniProt ID: Q9BWU1

**Synonyms:** bA346C16.3; CDC2L6; CDK11

**Summary:** This gene encodes a protein that is one of the components of the Mediator co-activator

complex. The Mediator complex is a multi-protein complex required for transcriptional activation by DNA binding transcription factors of genes transcribed by RNA polymerase II. The protein encoded by this gene is similar to cyclin-dependent kinase 8 which can also be a

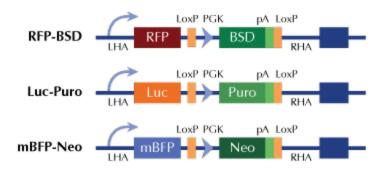
component of the Mediator complex. Alternative splicing results in multiple transcript

variants encoding distinct isoforms. [provided by RefSeq, Jul 2014]



# **Product images:**

## Donor Vector Edited Chromosome



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