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Product datasheet for KN206105

CDC2L6 (CDK19) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control

Donor DNA: GFP-puro

Symbol: CDC2L6

Locus ID: 23097

Components: **KN206105G1**, CDC2L6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGAGTACGAAGGGTGCAAAG
KN206105G2, CDC2L6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTCACGTCTACAAGGCGAGG
KN206105D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.
Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet

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TTCAGCTCCG GTTCCCAACG ATC

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.

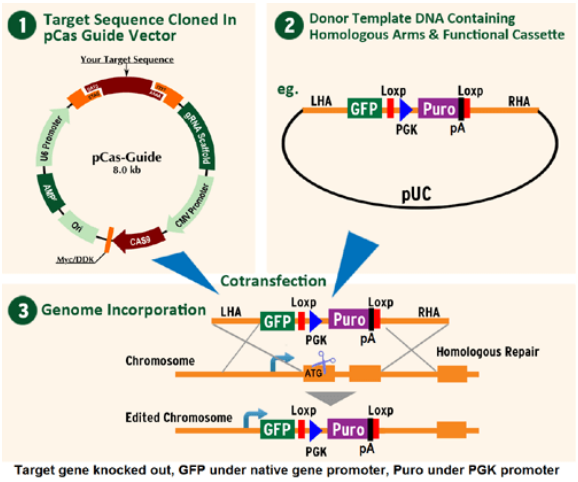
RefSeq: NM_001300960, NM_001300963, NM_001300964, NM_015076

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:



Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter