

Product datasheet for KN200144LP

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

NSUN5 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: NSUN5 Locus ID: 55695

Components: KN200144G1, NSUN5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN200144G2, NSUN5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN200144LPD, 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 001168347, NM 001168348, NM 018044, NM 148956</u>

UniProt ID: Q96P11

Synonyms: NOL1; NOL1R; NSUN5A; p120; p120(NOL1); WBSCR20; WBSCR20A

Summary: This gene encodes a member of an evolutionarily conserved family of proteins that may

function as methyltransferases. This gene is located in a larger region of chromosome 7 that is deleted in Williams-Beuren syndrome, a multisystem developmental disorder. There are two pseudogenes for this gene located in the same region of chromosome 7. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by

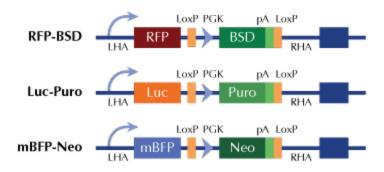
RefSeq, Jul 2013]





Product images:

Donor Vector Edited Chromosome



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