

### **Product datasheet for KN200144BN**

#### Product datasneet for KN200144biv

# **NSUN5 Human Gene Knockout Kit (CRISPR)**

**Product data:** 

**Product Type:** Knockout Kits (CRISPR)

**Format:** 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo 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)

KN200144BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

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]



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

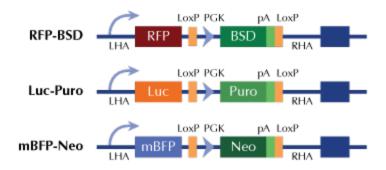
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



# **Product images:**

#### Donor Vector Edited Chromosome



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