

Resource Summary Report

Generated by [kravitz2](#) on Aug 3, 2026

pNIC-ZB-SPRTN-Y117C-FL

RRID:Addgene_110219

Type: Plasmid

Proper Citation

RRID:Addgene_110219

Plasmid Information

URL: <http://www.addgene.org/110219>

Proper Citation: RRID:Addgene_110219

Insert Name: SPRTN

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:27871366](#)

Vector Backbone Description: Backbone Marker:Opher Gileadi, Addgene plasmid #26107; Vector Backbone:pNIC-ZB; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: According to the large datasets deposited in various databses like: dbSNP, 1000 Genomes, the ExAC and the gnomAD browser, the variant c.887C>T, p.Pro296Leu is found roughly in 50% of general world population. Moreover, according to the large-scale sequencing studies involving more than 135 000 healthy individuals deposited in The Genome Aggregation Database (gnomAD), it is more prevalent than the previously assigned reference allele in the European population, with a minor allele frequency of 0.69: <http://gnomad.broadinstitute.org/variant/1-231488524-C-T> Taken this into account, this variant (P296L) is s actually the accurate reference (wild-type) allele, and thus this variant can not be the cause of any Mendelian disease. This is the reason why all our vectors bear this variant.

Plasmid Name: pNIC-ZB-SPRTN-Y117C-FL

Relevant Mutation: Y117C, P296L (see depositor comments below)

Record Creation Time: 20220422T221536+0000

Record Last Update: 20260801T075922+0000

Ratings and Alerts

No rating or validation information has been found for pNIC-ZB-SPRTN-Y117C-FL.

No alerts have been found for pNIC-ZB-SPRTN-Y117C-FL.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.