

# Resource Summary Report

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## pPB-VPR-dSpCas9[StaPL(TI)]

RRID:Addgene\_111508

Type: Plasmid

### Proper Citation

RRID:Addgene\_111508

### Plasmid Information

**URL:** <http://www.addgene.org/111508>

**Proper Citation:** RRID:Addgene\_111508

**Insert Name:** VPR-dSpCas9[StaPL(TI)]

**Organism:** Homo sapiens

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:29967496](#)

**Vector Backbone Description:** Backbone Marker: System Biosciences; Vector Backbone: pPB; Vector Types: Mammalian Expression; Bacterial Resistance: Ampicillin

**Comments:** [Ref. 1] SUBACH O.M., GUNDOROV I.S., YOSHIMURA M., SUBACH F.V., ZHANG J., GRUENWALD D., SOUSLOVA E.A., CHUDAKOV D.M., & VERKHUSHA V.V. 2008. Conversion of Red Fluorescent Protein into a Bright Blue Probe. Chem Biol 15 (10):1116-24. [Ref. 2] CHAVEZ A., SCHEIMAN J., VORA S., PRUITT B.W., TUTTLE M., P R IYER E., LIN S., KIANI S., GUZMAN C.D., WIEGAND D.J., TER-OVANESYAN D., BRAFF J.L., DAVIDSOHN N., HOUSDEN B.E., PERRIMON N., WEISS R., AACH J., COLLINS J.J. & CHURCH G.M. 2015. Highly efficient Cas9-mediated transcriptional programming. Nat Methods 12: 326-328. [Ref. 3] GAO Y., XIONG X., WONG S., CHARLES E.J., LIM W.A. & QI L.S. 2016. Complex transcriptional modulation with orthogonal and inducible dCas9 regulators. Nat Methods 13: 1043-1049.

**Plasmid Name:** pPB-VPR-dSpCas9[StaPL(TI)]

**Relevant Mutation:** The HCV NS3 protease carries F43L, Q80K, and S122R, and D168Y mutations. The VPR domain's internal NLS sequence was mutated to a GGSGGSGGS linker. SpCas9 contains D10A and H840A mutations.

**Record Creation Time:** 20220422T221543+0000

**Record Last Update:** 20260808T080439+0000

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## Ratings and Alerts

No rating or validation information has been found for pPB-VPR-dSpCas9[StaPL(TI)].

No alerts have been found for pPB-VPR-dSpCas9[StaPL(TI)].

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.