

Resource Summary Report

Generated by [dkNET](#) on Sep 7, 2026

pYPQ166-OsPE2

RRID:Addgene_141080

Type: Plasmid

Proper Citation

RRID:Addgene_141080

Plasmid Information

URL: <http://www.addgene.org/141080>

Proper Citation: RRID:Addgene_141080

Insert Name: zCas9(H840A)-OsM-MLV-RT

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:32222487](#)

Vector Backbone Description: Vector Backbone:pYPQ165; Vector Types:Plant Expression, CRISPR, Gateway compatible zCas9(H840A)-OsM-MLV-RT; Bacterial Resistance:Spectinomycin

Comments: Protein sequence of engineered M-MLV reverse transcriptase (D200N, L603W, T306K, W313F, T330P) was obtained from published work: Anzalone, A.V., Randolph, P.B., Davis, J.R., Sousa, A.A., Koblan, L.W., Levy, J.M., Chen, P.J., Wilson, C., Newby, G.A., Raguram, A. and Liu, D.R., 2019. Search-and-replace genome editing without double-strand breaks or donor DNA. Nature, 576(7785), pp.149-157.

Plasmid Name: pYPQ166-OsPE2

Record Creation Time: 20220422T221814+0000

Record Last Update: 20260905T074858+0000

Ratings and Alerts

No rating or validation information has been found for pYPQ166-OsPE2.

No alerts have been found for pYPQ166-OsPE2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Yang Y, et al. (2024) Editing VvDXS1 for the creation of muscat flavour in *Vitis vinifera* cv. Scarlet Royal. *Plant biotechnology journal*, 22(6), 1610.