

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pOpen-DNA Topoisomerase 1B Vaccinia Virus

RRID:Addgene_165510

Type: Plasmid

Proper Citation

RRID:Addgene_165510

Plasmid Information

URL: <http://www.addgene.org/165510>

Proper Citation: RRID:Addgene_165510

Insert Name: DNA Topoisomerase 1B Vaccinia Virus

Organism: Other

Bacterial Resistance: Ampicillin

Vector Backbone Description: Vector Backbone:pBuild; Vector Types:Synthetic Biology; Bacterial Resistance:Ampicillin

Comments: Used in TOPO cloning. Recognizes the DNA sequence 5'-(C/T)CCTT-3' and digests double stranded DNA at this sequence. The energy from this breakage is stored as a covalent bond between the DNA and the topoisomerase. If a 5' hydroxyl group from a different DNA strand comes along, it can attack this covalent bond thus joining the two DNA strands and releasing topoisomerase. The plasmids in the Open Enzyme collection contain genetic parts and are not functional by themselves. Researchers can clone these enzymes into an expression vector of their choice and then transform into E. coli bacteria for expression and purification. Additional information can be found at <https://www.addgene.org/depositor-collections/open-enzyme/>.

Plasmid Name: pOpen-DNA Topoisomerase 1B Vaccinia Virus

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260815T080929+0000

Ratings and Alerts

No rating or validation information has been found for pOpen-DNA Topoisomerase 1B Vaccinia Virus.

No alerts have been found for pOpen-DNA Topoisomerase 1B Vaccinia Virus.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.