

Resource Summary Report

Generated by [NIF](#) on Sep 19, 2026

pOpen-HSlig4

RRID:Addgene_165503

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/165503>

Proper Citation: RRID:Addgene_165503

Insert Name: DNA Ligase IV

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: Ligase used in efficiently joining single-strand breaks in a double-strand polydeoxynucleotide in an ATP-dependent reaction. Also involved in DNA non-homologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination. 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-HSlig4

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260919T091302+0000

Ratings and Alerts

No rating or validation information has been found for pOpen-HSlig4.

No alerts have been found for pOpen-HSlig4.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.