

# Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

## pOpen-HSlig4

RRID:Addgene\_165503

Type: Plasmid

### Proper Citation

RRID:Addgene\_165503

### 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:** 20260815T080929+0000

### Ratings and Alerts

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

No alerts have been found for pOpen-HSlig4.

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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.