

Resource Summary Report

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

pOpen-ETSSB

RRID:Addgene_165549

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/165549>

Proper Citation: RRID:Addgene_165549

Insert Name: Extreme Thermostable Single-Stranded DNA Binding Protein

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: ssDNA binding protein, 9kDa. Features: Improves the processivity of DNA polymerase; involved in stabilization and marking of ssDNA structure; increases the yield and specificity of PCR; increases the yield and processivity of RT during RT-PCR; improves DNA sequencing through regions with strong secondary structure. 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-ETSSB

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260815T080930+0000

Ratings and Alerts

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

No alerts have been found for pOpen-ETSSB.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.