

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

pOpen-RNase A

RRID:Addgene_165565

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/165565>

Proper Citation: RRID:Addgene_165565

Insert Name: RNase A

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: Ribonuclease A or RNase A; endoribonuclease purified from bovine pancreas. Important enzyme for the removal of RNA for RNA free DNA purification reactions such as plasmid DNA purification and genomic DNA purification, RNA removal from recombinant protein preparations, ribonuclease protection assays, mapping single-base mutations in DNA/RNA. Effectively cleaves the phosphodiester bond between the 5'-ribose of a nucleotide and the phosphate group attached to the 3'-ribose of an adjacent pyrimidine nucleotide which forms a 2',3'-cyclic phosphate which is then hydrolyzed to the corresponding 3'-nucleoside phosphate. 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-RNase A

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260902T042702+0000

Ratings and Alerts

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

No alerts have been found for pOpen-RNase A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.