

Resource Summary Report

Generated by [NIF](#) on Aug 20, 2026

pOpen-RNase H

RRID:Addgene_165575

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/165575>

Proper Citation: RRID:Addgene_165575

Insert Name: RNase H

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: Endonuclease that specifically degrades the RNA of RNA-DNA hybrids. Participates in DNA replication; helps to specify the origin of genomic replication by suppressing initiation at origins other than the oriC locus. Along with the 5'-3' exonuclease of pol1, it removes RNA primers from the Okazaki fragments of lagging strand synthesis, and it defines the origin of replication for ColE1-type plasmids by specific cleavage of an RNA pre-primer. 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 H

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260815T080930+0000

Ratings and Alerts

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

No alerts have been found for pOpen-RNase H.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.