

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

[p307HU](#)

RRID:Addgene_27386

Type: Plasmid

Proper Citation

RRID:Addgene_27386

Plasmid Information

URL: <http://www.addgene.org/27386>

Proper Citation: RRID:Addgene_27386

Insert Name: unligated form of ligase ribozyme

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19965478](#)

Vector Backbone Description: Backbone Size:0; Vector Backbone:pUC19 modified; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Improved class I ligase modified at the end of P5 with four additional base pairs terminating in the U1A- binding loop. DNA representing the unligated form of this ribozyme was subcloned into pUC19 under a T7 transcription promoter, followed by a genomic hepatitis delta virus (HDV) self-cleaving ribozyme and an Earl restriction site, yielding the plasmid p307HU. The HDV sequence cleaves itself from the ribozyme 3' terminus, thereby producing a homogenous ribozyme 3' end. The relevant sequence of the insert was

GCGTAATACGACTCACTATAGGAACACTATACTACTGGATAATCAAAGACAAATCTGCC
CGAAGGGCTTGAGAACATACCCATTGCACTCCGGGTATGCAGAGGTGGCAGCCTCCGGT
GGGTTAAAACCCAACGTTCTCAACAATAGTGAGGCCGGCATGGTCCCAGCCTCCTCGCT
GGCGCCGGCTGGGCAACATTCCGAGGGGACCGTCCCCTCGGTAATGGCGAATGGGACCC
AC See supplemental data of article for annotation of the sequence. Prior to use as template for in vitro transcription, plasmid was digested with Earl nuclease.

Plasmid Name: p307HU

Record Creation Time: 20220422T222123+0000

Record Last Update: 20260815T081303+0000

Ratings and Alerts

No rating or validation information has been found for p307HU.

No alerts have been found for p307HU.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Zhu W, et al. (2024) UCHL1 deficiency upon HCMV infection induces vascular endothelial inflammatory injury mediated by mitochondrial iron overload. Free radical biology & medicine, 211, 96.