

Resource Summary Report

Generated by [RRID](#) on Aug 30, 2026

Guzit

RRID:Addgene_196902

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/196902>

Proper Citation: RRID:Addgene_196902

Insert Name: 8xHis-tag is attached to the N-terminus of rnhA (RNase HI) Kanamycin resistant gene is inserted upstream of rnhA

Organism: Other

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:37159417](#)

Vector Backbone Description: Vector Backbone:this is a strain; Vector Types;; Bacterial Resistance:Kanamycin

Comments: Primers: (1)CACCAATCTCAATGATCTTGTGG, (2)CAGTCATAGCCGAATAGCCT, (3)CGGTGCCCTGAATGAACTGC, (4)GCGTCCGCGATAGCGTAAA. Expected product size: 666 bp with primer (1) and (2), 1042 bp with primer (3) and (4). Guzit is a RNase HI(rnhA) His-tagged E. coli strain made for a cell-free expression system. His-tagged RNase HI expressed from the rnhA gene can be removed using Ni-NTA resin upon the preparation of cell-free extract. A kanamycin resistant gene was inserted upstream of rnhA using the ??-Red recombination system. Precursor strain is Rosseta 2. Please visit <https://www.biorxiv.org/content/10.1101/2022.07.28.501919v1> for bioRxiv preprint.

Plasmid Name: Guzit

Record Creation Time: 20250827T055147+0000

Record Last Update: 20260829T082454+0000

Ratings and Alerts

No rating or validation information has been found for Guzit.

No alerts have been found for Guzit.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.