

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pENTR-R4R3-stop

RRID:Addgene_113745

Type: Plasmid

Proper Citation

RRID:Addgene_113745

Plasmid Information

URL: <http://www.addgene.org/113745>

Proper Citation: RRID:Addgene_113745

Insert Name: stop cassette

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:31523744](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:2540; Vector Backbone:pDONR221-P4rP3r; Vector Types:CRISPR, Gateway Cloning; Bacterial Resistance:Kanamycin

Comments: Second position vector for three-way Gateway LR reaction to generate a premature stop codon at your locus of interest. Also contains a multiple cloning site for easy genotyping. This plasmid contains multiple M13F and M13R sites, due to cloning the MCS of pBluescriptSK+. QC note: This plasmid dimerizes during growth in bacteria, which can result in digest and Sanger sequencing results that differ from the full plasmid sequence of the monomer. The depositing lab has confirmed that dimerization does not affect plasmid function.

Plasmid Name: pENTR-R4R3-stop

Relevant Mutation: Added 3 stop codons to the original sequence; see Depositor Comments below

Record Creation Time: 20220422T221555+0000

Record Last Update: 20260725T073531+0000

Ratings and Alerts

No rating or validation information has been found for pENTR-R4R3-stop.

No alerts have been found for pENTR-R4R3-stop.

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 [NIF](#) .

Yanez-Dominguez C, et al. (2025) The chloroplast-located HKT transporter plays an important role in fertilization and development in *Physcomitrium patens*. The Plant journal : for cell and molecular biology, 121(3), e17253.