

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

MZB211

RRID:Addgene_228494

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/228494>

Proper Citation: RRID:Addgene_228494

Insert Name: pol

Organism: Synthetic

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:5630; Vector Backbone:pET29b; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: Bacterial expression of 10xHis-SUMO tagged Pfu polymerase fused to Sso7d processivity domain (commercially sold as Phusion Polymerase). Polymerase domain contains the A408S amino acid substitution for enhanced fidelity. Kennedy EM, Hergott C, Dewhurst S, Kim B. The mechanistic architecture of thermostable Pyrococcus furiosus family B DNA polymerase motif A and its interaction with the dNTP substrate. Biochemistry. 2009 Dec 1;48(47):11161-8. doi: 10.1021/bi9010122. PMID: 19817489; PMCID: PMC3097049.

Plasmid Name: MZB211

Relevant Mutation: A408S

Record Creation Time: 20250104T120842+0000

Record Last Update: 20260912T094233+0000

Ratings and Alerts

No rating or validation information has been found for MZB211.

No alerts have been found for MZB211.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.