

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pJSC173 - Bacterial expression plasmid for SpCas9 Cluster 1 (HypaCas9) variant

RRID:Addgene_101218

Type: Plasmid

Proper Citation

RRID:Addgene_101218

Plasmid Information

URL: <http://www.addgene.org/101218>

Proper Citation: RRID:Addgene_101218

Insert Name: SpCas9 variant N692A/M694A/Q695A/H698A

Organism: Streptococcus pyogenes

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28931002](#)

Vector Backbone Description: Backbone Marker:Doudna lab; Vector Backbone:pCT10; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Please visit <https://www.biorxiv.org/content/early/2017/08/12/160036> for bioRxiv preprint.

Plasmid Name: pJSC173 - Bacterial expression plasmid for SpCas9 Cluster 1 (HypaCas9) variant

Relevant Mutation: N692A, M694A, Q695A and H698A

Record Creation Time: 20220422T221452+0000

Record Last Update: 20260815T080018+0000

Ratings and Alerts

No rating or validation information has been found for pJSC173 - Bacterial expression plasmid for SpCas9 Cluster 1 (HypaCas9) variant.

No alerts have been found for pJSC173 - Bacterial expression plasmid for SpCas9 Cluster 1 (HypaCas9) variant.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Murugan K, et al. (2021) Systematic in vitro specificity profiling reveals nicking defects in natural and engineered CRISPR-Cas9 variants. Nucleic acids research, 49(7), 4037.

Bak SY, et al. (2021) Quantitative assessment of engineered Cas9 variants for target specificity enhancement by single-molecule reaction pathway analysis. Nucleic acids research, 49(19), 11312.