

Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

MSP469

RRID:Addgene_65771

Type: Plasmid

Proper Citation

RRID:Addgene_65771

Plasmid Information

URL: <http://www.addgene.org/65771>

Proper Citation: RRID:Addgene_65771

Insert Name: mammalian codon-optimized Streptococcus pyogenes Cas9 (D1135V/R1335Q/T1337R)-NLS-3XFlag

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26098369](#)

Vector Backbone Description: Backbone Marker:Joung lab (Addgene Plasmid # 43861); Vector Backbone:JDS246; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: MSP469

Relevant Mutation: D1135V, R1335Q, and T1337R mutations in Cas9

Record Creation Time: 20220422T222414+0000

Record Last Update: 20260826T042454+0000

Ratings and Alerts

No rating or validation information has been found for MSP469.

No alerts have been found for MSP469.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Shi Z, et al. (2022) Expanding the CRISPR/Cas genome-editing scope in *Xenopus tropicalis*. *Cell & bioscience*, 12(1), 104.

Jeong YK, et al. (2019) Construction of non-canonical PAM-targeting adenosine base editors by restriction enzyme-free DNA cloning using CRISPR-Cas9. *Scientific reports*, 9(1), 4939.

Yue M, et al. (2018) CRISPR/Cas9-mediated modulation of splicing efficiency reveals short splicing isoform of Xist RNA is sufficient to induce X-chromosome inactivation. *Nucleic acids research*, 46(5), e26.

Zafra MP, et al. (2018) Optimized base editors enable efficient editing in cells, organoids and mice. *Nature biotechnology*, 36(9), 888.

Yang M, et al. (2017) Targeted Disruption of V600E-Mutant BRAF Gene by CRISPR-Cpf1. *Molecular therapy. Nucleic acids*, 8, 450.

Cheng J, et al. (2016) A Molecular Chipper technology for CRISPR sgRNA library generation and functional mapping of noncoding regions. *Nature communications*, 7, 11178.