

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

M-ST1cas

RRID:Addgene_48669

Type: Plasmid

Proper Citation

RRID:Addgene_48669

Plasmid Information

URL: <http://www.addgene.org/48669>

Proper Citation: RRID:Addgene_48669

Insert Name: Cas9

Organism: S. thermophilus #1

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24076762](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Vector Backbone:pcDNA3.3 TOPO; Vector Types:CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: M-ST1cas

Record Creation Time: 20220422T222250+0000

Record Last Update: 20260815T081552+0000

Ratings and Alerts

No rating or validation information has been found for M-ST1cas.

No alerts have been found for M-ST1cas.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Illa-Berenguer E, et al. (2023) Editing efficiencies with Cas9 orthologs, Cas12a endonucleases, and temperature in rice. *Frontiers in genome editing*, 5, 1074641.

Kostyushev D, et al. (2019) Orthologous CRISPR/Cas9 systems for specific and efficient degradation of covalently closed circular DNA of hepatitis B virus. *Cellular and molecular life sciences : CMLS*, 76(9), 1779.

Song G, et al. (2019) AcrIIA5 Inhibits a Broad Range of Cas9 Orthologs by Preventing DNA Target Cleavage. *Cell reports*, 29(9), 2579.

T??th E, et al. (2016) Cpf1 nucleases demonstrate robust activity to induce DNA modification by exploiting homology directed repair pathways in mammalian cells. *Biology direct*, 11, 46.

Fujii W, et al. (2016) Zygote-mediated generation of genome-modified mice using *Streptococcus thermophilus* 1-derived CRISPR/Cas system. *Biochemical and biophysical research communications*, 477(3), 473.

Price AA, et al. (2015) Cas9-mediated targeting of viral RNA in eukaryotic cells. *Proceedings of the National Academy of Sciences of the United States of America*, 112(19), 6164.

Kabadi AM, et al. (2014) Engineering synthetic TALE and CRISPR/Cas9 transcription factors for regulating gene expression. *Methods (San Diego, Calif.)*, 69(2), 188.