

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

pAAV-EFS-SpCas9

RRID:Addgene_104588

Type: Plasmid

Proper Citation

RRID:Addgene_104588

Plasmid Information

URL: <http://www.addgene.org/104588>

Proper Citation: RRID:Addgene_104588

Insert Name: Streptococcus pyogenes Cas9

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29056297](#)

Vector Backbone Description: Backbone Marker:Addgene #60957; Backbone Size:2905; Vector Backbone:PX551; Vector Types:Mammalian Expression, AAV, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-EFS-SpCas9

Record Creation Time: 20220422T221507+0000

Record Last Update: 20260808T080334+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-EFS-SpCas9.

No alerts have been found for pAAV-EFS-SpCas9.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Lu J, et al. (2026) Monitoring Gene Expression in Retina with synthetic serum markers. bioRxiv : the preprint server for biology.

Kong D, et al. (2026) Acsl4-mediated Lipid Homeostasis Orchestrates Synaptic and Cognitive Plasticity. Research square.

Park SY, et al. (2025) A Versatile Reporter Platform for Evaluating HDR- and NHEJ-Based Genome Editing in Airway Epithelial Cell Cultures Using an rAAV Vector. Viruses, 17(6).

Ribeiro Gomes AR, et al. (2025) Targeted gene transfer into developmentally defined cell populations of the primate brain. Cell reports, 45(1), 116756.

Kubista H, et al. (2025) Mitochondrial Glutamine Metabolism Drives Epileptogenesis in Primary Hippocampal Neurons. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(21).

Duarte F, et al. (2023) Semi-automated workflows to quantify AAV transduction in various brain areas and predict gene editing outcome for neurological disorders. Molecular therapy. Methods & clinical development, 29, 254.

Duarte F, et al. (2023) Limitations of Dual-Single Guide RNA CRISPR Strategies for the Treatment of Central Nervous System Genetic Disorders. Human gene therapy, 34(17-18), 958.

Mehta A, et al. (2021) IQSEC2 Deficiency Results in Abnormal Social Behaviors Relevant to Autism by Affecting Functions of Neural Circuits in the Medial Prefrontal Cortex. Cells, 10(10).

Kurihara T, et al. (2020) DNA repair protein RAD51 enhances the CRISPR/Cas9-mediated knock-in efficiency in brain neurons. Biochemical and biophysical research communications, 524(3), 621.