

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

pHL-EF1a-SphcCas9(D10A)-iP-A

RRID:Addgene_60600

Type: Plasmid

Proper Citation

RRID:Addgene_60600

Plasmid Information

URL: <http://www.addgene.org/60600>

Proper Citation: RRID:Addgene_60600

Insert Name: CRISPR Cas9 D10A

Organism: Streptococcus pyogenes

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25434822](#)

Vector Backbone Description: Backbone Marker:Hotta Lab, CiRA; Backbone Size:6923; Vector Backbone:pHL-EF1a-GW-iP-A; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pHL-EF1a-SphcCas9(D10A)-iP-A

Relevant Mutation: Changed Asp 10 to Ala, Codon usage optimized for human usage

Record Creation Time: 20220422T222348+0000

Record Last Update: 20260815T081734+0000

Ratings and Alerts

No rating or validation information has been found for pHL-EF1a-SphcCas9(D10A)-iP-A.

No alerts have been found for pHL-EF1a-SphcCas9(D10A)-iP-A.

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](#) .

Grossmann D, et al. (2023) Mitochondria-Endoplasmic Reticulum Contact Sites Dynamics and Calcium Homeostasis Are Differentially Disrupted in PINK1-PD or PRKN-PD Neurons. Movement disorders : official journal of the Movement Disorder Society, 38(10), 1822.

Omer L, et al. (2017) CRISPR Correction of a Homozygous Low-Density Lipoprotein Receptor Mutation in Familial Hypercholesterolemia Induced Pluripotent Stem Cells. Hepatology communications, 1(9), 886.