

Resource Summary Report

Generated by [dkNET](#) on Sep 9, 2026

pCMV-T7-SpRY-HF1-P2A-EGFP (RTW5008)

RRID:Addgene_139997

Type: Plasmid

Proper Citation

RRID:Addgene_139997

Plasmid Information

URL: <http://www.addgene.org/139997>

Proper Citation: RRID:Addgene_139997

Insert Name: human codon optimized SpCas9 variant named SpRY-HF1 with BP-NLS-3xFLAG-P2A-EGFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32217751](#)

Vector Backbone Description: Backbone Marker:Kleinstiver Lab (Addgene ID 139987); Vector Backbone:RTW3027; Vector Types:Mammalian Expression, CRISPR, in vitro transcription; T7 promoter; Bacterial Resistance:Ampicillin

Plasmid Name: pCMV-T7-SpRY-HF1-P2A-EGFP (RTW5008)

Relevant Mutation:

SpRY=A61R/L1111R/D1135L/S1136W/G1218K/E1219Q/N1317R/A1322R/R1333P/R1335Q/T1337R
HF1=N497A/R661A/Q695A/Q926A

Record Creation Time: 20220422T221809+0000

Record Last Update: 20260905T074850+0000

Ratings and Alerts

No rating or validation information has been found for pCMV-T7-SpRY-HF1-P2A-EGFP (RTW5008).

No alerts have been found for pCMV-T7-SpRY-HF1-P2A-EGFP (RTW5008).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Chai AC, et al. (2023) Base editing correction of hypertrophic cardiomyopathy in human cardiomyocytes and humanized mice. Nature medicine, 29(2), 401.