

# Resource Summary Report

Generated by [dkNET](#) on Aug 31, 2026

## pcDNA5-FRT-TO-FH-Nsp8\_GC3opt

RRID:Addgene\_157698

Type: Plasmid

---

### Proper Citation

RRID:Addgene\_157698

---

### Plasmid Information

**URL:** <http://www.addgene.org/157698>

**Proper Citation:** RRID:Addgene\_157698

**Insert Name:** FH-Nsp8\_GC3opt

**Organism:** SARS-CoV-2

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:33313418](#)

**Vector Backbone Description:** Backbone Marker:Thermo Fisher; Vector Backbone:pcDNA5-FRT-TO; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

**Plasmid Name:** pcDNA5-FRT-TO-FH-Nsp8\_GC3opt

**Relevant Mutation:** codon optimized; gene expression was optimized by increasing the GC3 content within codons

**Record Creation Time:** 20220422T221854+0000

**Record Last Update:** 20260829T075759+0000

---

### Ratings and Alerts

No rating or validation information has been found for pcDNA5-FRT-TO-FH-Nsp8\_GC3opt.

No alerts have been found for pcDNA5-FRT-TO-FH-Nsp8\_GC3opt.

---

### Data and Source Information

**Source:** [Addgene](#)

---

## Usage and Citation Metrics

We have not found any literature mentions for this resource.