

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pFR_HCV_xb

RRID:Addgene_11510

Type: Plasmid

Proper Citation

RRID:Addgene_11510

Plasmid Information

URL: <http://www.addgene.org/11510>

Proper Citation: RRID:Addgene_11510

Insert Name: Firefly luciferase, Hepatitis C Virus IRES sequence, Renilla, and 3'UTR short RNA binding sites

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16483934](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:4045; Vector Backbone:pRL-TK; Vector Types:Luciferase; Bacterial Resistance:Ampicillin

Comments: The plasmid constructed by PCR cloning HCV IRES into the NheI site of pRL-TKx6 and inserting the Firefly luciferase ORF from pGL3 into the resulting vectorl.

Plasmid Name: pFR_HCV_xb

Record Creation Time: 20220422T221603+0000

Record Last Update: 20260725T073546+0000

Ratings and Alerts

No rating or validation information has been found for pFR_HCV_xb.

No alerts have been found for pFR_HCV_xb.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Kim J, et al. (2025) The role of Ephexin1 in translation and mTOR-targeted cancer therapy. *Experimental & molecular medicine*, 57(8), 1847.

Golojuch S, et al. (2025) Enhancing cap-independent translation of linear mRNA. *Nature communications*, 16(1), 9205.

Ojha M, et al. (2024) Structure of saguaro cactus virus 3' translational enhancer mimics 5' cap for eIF4E binding. *Proceedings of the National Academy of Sciences of the United States of America*, 121(4), e2313677121.

Ravindran PT, et al. (2022) A synthetic gene circuit for imaging-free detection of signaling pulses. *Cell systems*, 13(2), 131.

Dine E, et al. (2021) Positive feedback between the T cell kinase Zap70 and its substrate LAT acts as a clustering-dependent signaling switch. *Cell reports*, 35(12), 109280.

Kim JW, et al. (2021) Dysregulated mRNA Translation in the G2019S LRRK2 and LRRK2 Knock-Out Mouse Brains. *eNeuro*, 8(6).

Bojar D, et al. (2019) Purity by design: Reducing impurities in bioproduction by stimulus-controlled global translational downregulation of non-product proteins. *Metabolic engineering*, 52, 110.

Song KA, et al. (2018) Increased Synthesis of MCL-1 Protein Underlies Initial Survival of EGFR-Mutant Lung Cancer to EGFR Inhibitors and Provides a Novel Drug Target. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 24(22), 5658.

Narayanan S, et al. (2016) Distinct Roles for Intracellular and Extracellular Lipids in Hepatitis C Virus Infection. *PloS one*, 11(6), e0156996.

Tung JK, et al. (2015) Inhibitory luminopsins: genetically-encoded bioluminescent opsins for versatile, scalable, and hardware-independent optogenetic inhibition. *Scientific reports*, 5, 14366.