

Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

pLVX-XBP1 mNeonGreen NLS

RRID:Addgene_115968

Type: Plasmid

Proper Citation

RRID:Addgene_115968

Plasmid Information

URL: <http://www.addgene.org/115968>

Proper Citation: RRID:Addgene_115968

Insert Name: X-box binding protein 1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30088945](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:8102; Vector Backbone:pLVX-Puro; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: This sensor leads to the expression of a mNeonGreen fusion protein in the nucleus upon induction of ER-stress. ER-stress kinetic through the IRE1/XBP1 pathway can thus be monitored by recording the green fluorescent signal arising in the nucleus. Designed by Adrien Nougaret.

Plasmid Name: pLVX-XBP1 mNeonGreen NLS

Record Creation Time: 20220422T221607+0000

Record Last Update: 20260912T091557+0000

Ratings and Alerts

No rating or validation information has been found for pLVX-XBP1 mNeonGreen NLS.

No alerts have been found for pLVX-XBP1 mNeonGreen NLS.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Dhaou CB, et al. (2025) Integrin-Specific Signaling Drives ER Stress-Dependent Atherogenic Endothelial Activation. bioRxiv : the preprint server for biology.

Ben Dhaou C, et al. (2025) Integrin-specific signaling drives ER stress-dependent atherogenic endothelial activation. Redox biology, 88, 103911.

Hirano J, et al. (2024) Enterovirus 3A protein disrupts endoplasmic reticulum homeostasis through interaction with GBF1. Journal of virology, 98(7), e0081324.