

# Resource Summary Report

Generated by [RRID](#) on Aug 23, 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:** 20260815T080238+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](#)

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

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

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

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

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