

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

pLHCX-XBP1 mNeonGreen NLS

RRID:Addgene_115971

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/115971>

Proper Citation: RRID:Addgene_115971

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:6813; Vector Backbone:pLHCX; Vector Types:Mammalian Expression, Retroviral; 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 Nougarede.

Plasmid Name: pLHCX-XBP1 mNeonGreen NLS

Record Creation Time: 20220422T221607+0000

Record Last Update: 20260815T080239+0000

Ratings and Alerts

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

No alerts have been found for pLHCX-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 [RRID](#) .

Gössl FJ, et al. (2025) ER-phagy mediates the anti-tumoral synergism between HDAC inhibition and chemotherapy. Cell communication and signaling : CCS, 23(1), 202.

Chu HS, et al. (2022) Integrated Stress Response Regulation of Corneal Epithelial Cell Motility and Cytokine Production. Investigative ophthalmology & visual science, 63(8), 1.

Fuentes-Iglesias A, et al. (2022) Detecting and Modulating ER Stress to Improve Generation of Induced Pluripotent Stem Cells. Methods in molecular biology (Clifton, N.J.), 2454, 743.