

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.

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.

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