

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

pLJM1-FIRE-pHly

RRID:Addgene_170775

Type: Plasmid

Proper Citation

RRID:Addgene_170775

Plasmid Information

URL: <http://www.addgene.org/170775>

Proper Citation: RRID:Addgene_170775

Insert Name: LAMP1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34102054](#)

Vector Backbone Description: Backbone Marker:Addgene Plasmid #19319; Backbone Size:8083; Vector Backbone:pLJM1-EGFP; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: Chin et al. ACS Sens. 2021 Jun 8. doi: 10.1021/acssensors.0c02318. Pubmed: <https://pubmed.ncbi.nlm.nih.gov/34102054/> Article: <https://pubs.acs.org/doi/10.1021/acssensors.0c02318>

Plasmid Name: pLJM1-FIRE-pHly

Relevant Mutation: 84 nucleotide Signal Sequence switched to the beginning of the construct

Record Creation Time: 20220422T221954+0000

Record Last Update: 20260815T081010+0000

Ratings and Alerts

No rating or validation information has been found for pLJM1-FIRE-pHly.

No alerts have been found for pLJM1-FIRE-pHly.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

El Sayed A, et al. (2026) Lysosomal accumulation of masitinib alters autophagy via pH-dependent trapping. European journal of pharmacology, 1024, 178872.

Chen L, et al. (2026) Peroxisome-derived ether lipids regulate lysosomal exocytosis. The EMBO journal, 45(11), 3699.

Wright EB, et al. (2025) TMEM184B modulates endolysosomal acidification via the vesicular proton pump. Journal of cell science, 138(15).

Zhu X, et al. (2023) Synaptojanin1 Modifies Endolysosomal Parameters in Cultured Ventral Midbrain Neurons. eNeuro, 10(5).