

Resource Summary Report

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

[pFUGW-FIRE-pHLY](#)

RRID:Addgene_170774

Type: Plasmid

Proper Citation

RRID:Addgene_170774

Plasmid Information

URL: <http://www.addgene.org/170774>

Proper Citation: RRID:Addgene_170774

Insert Name: LAMP1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34102054](#)

Vector Backbone Description: Backbone Marker:Addgene (Plasmid #14883); Backbone Size:9955; Vector Backbone:FUGW; 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: pFUGW-FIRE-pHLY

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

Record Creation Time: 20220422T221954+0000

Record Last Update: 20260815T081011+0000

Ratings and Alerts

No rating or validation information has been found for pFUGW-FIRE-pHLY.

No alerts have been found for pFUGW-FIRE-pHLY.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Ghoochani A, et al. (2026) Cell-type resolved protein atlas of brain lysosomes identifies SLC45A1-associated disease as a lysosomal disorder. *Cell*, 189(3), 765.

Jing Y, et al. (2025) Lysine-arginine imbalance overcomes therapeutic tolerance governed by the transcription factor E3-lysosome axis in glioblastoma. *Nature communications*, 16(1), 2876.

Deshetty UM, et al. (2025) Protective Effects of N-Acetylcysteine in Alleviating Cocaine-Mediated Microglial Activation and Neuroinflammation. *Biology*, 14(7).

Bretou M, et al. (2024) Accumulation of APP C-terminal fragments causes endolysosomal dysfunction through the dysregulation of late endosome to lysosome-ER contact sites. *Developmental cell*, 59(12), 1571.

Van Acker ZP, et al. (2023) Phospholipase D3 degrades mitochondrial DNA to regulate nucleotide signaling and APP metabolism. *Nature communications*, 14(1), 2847.