# Resource Summary Report

Generated by dkNET on Aug 17, 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 dkNET .

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.