

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

pCMV-lyso-pHluorin

RRID:Addgene_70113

Type: Plasmid

Proper Citation

RRID:Addgene_70113

Plasmid Information

URL: <http://www.addgene.org/70113>

Proper Citation: RRID:Addgene_70113

Insert Name: lyso-pHluorin

Organism: Mus musculus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:26551543](#)

Vector Backbone Description: Backbone Size:3878; Vector Backbone:pCMV; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pCMV-lyso-pHluorin

Record Creation Time: 20220422T222433+0000

Record Last Update: 20260902T050029+0000

Ratings and Alerts

No rating or validation information has been found for pCMV-lyso-pHluorin.

No alerts have been found for pCMV-lyso-pHluorin.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Yan W, et al. (2026) OTOP2 proton channel couples luminal pH sensing to intestinal immune homeostasis. *The Journal of biological chemistry*, 302(6), 113105.

Ionescu A, et al. (2025) Muscle-derived miR-126 regulates TDP-43 axonal local synthesis and NMJ integrity in ALS models. *Nature neuroscience*, 28(11), 2201.

Zeng W, et al. (2024) Optogenetic manipulation of lysosomal physiology and autophagy-dependent clearance of amyloid beta. *PLoS biology*, 22(4), e3002591.

Hoyano Y, et al. (2023) Fusion proteins of organophosphorus hydrolase and pHluorin for a whole-cell biosensor for organophosphorus pesticide measurement. *Analytical sciences : the international journal of the Japan Society for Analytical Chemistry*, 39(9), 1515.

Linnemannstöns K, et al. (2022) Microscopic and biochemical monitoring of endosomal trafficking and extracellular vesicle secretion in an endogenous in vivo model. *Journal of extracellular vesicles*, 11(9), e12263.

Wu B, et al. (2021) NKD2 mediates stimulation-dependent ORAI1 trafficking to augment Ca²⁺ entry in T cells. *Cell reports*, 36(8), 109603.

Tang FL, et al. (2020) Coupling of terminal differentiation deficit with neurodegenerative pathology in Vps35-deficient pyramidal neurons. *Cell death and differentiation*, 27(7), 2099.

Golan Y, et al. (2019) ZnT2 is an electroneutral proton-coupled vesicular antiporter displaying an apparent stoichiometry of two protons per zinc ion. *PLoS computational biology*, 15(3), e1006882.

Shinoda H, et al. (2018) Acid-Tolerant Monomeric GFP from *Olindias formosa*. *Cell chemical biology*, 25(3), 330.

Zhitomirsky B, et al. (2017) Lysosomal accumulation of anticancer drugs triggers lysosomal exocytosis. *Oncotarget*, 8(28), 45117.