

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) OTOX2 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.