

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 13, 2026

LAMP-mCherry-CRY2

RRID:Addgene_102249

Type: Plasmid

Proper Citation

RRID:Addgene_102249

Plasmid Information

URL: <http://www.addgene.org/102249>

Proper Citation: RRID:Addgene_102249

Insert Name: LAMP-mCherry-CRY2

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:25963241](#)

Vector Backbone Description: Backbone Size:4000; Vector Backbone:pEGFP-N1;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: LAMP-mCherry-CRY2

Record Creation Time: 20220422T221455+0000

Record Last Update: 20260808T080315+0000

Ratings and Alerts

No rating or validation information has been found for LAMP-mCherry-CRY2.

No alerts have been found for LAMP-mCherry-CRY2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Tillu VA, et al. (2024) Precision in situ cryogenic correlative light and electron microscopy of optogenetically positioned organelles. *Journal of cell science*, 137(20).

Chen JH, et al. (2023) Reduced lysosomal density in neuronal dendrites mediates deficits in synaptic plasticity in Huntington's disease. *Cell reports*, 42(12), 113573.

Qiu K, et al. (2022) Light-activated mitochondrial fission through optogenetic control of mitochondria-lysosome contacts. *Nature communications*, 13(1), 4303.