

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

pcDNA3_mScarlet-LAMP1

RRID:Addgene_185138

Type: Plasmid

Proper Citation

RRID:Addgene_185138

Plasmid Information

URL: <http://www.addgene.org/185138>

Proper Citation: RRID:Addgene_185138

Insert Name: Lysosome-associated membrane glycoprotein 1

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Thermo Fisher Scientific; Backbone Size:5428; Vector Backbone:pcDNA3.1(+); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note that this plasmid will send mScarlet to the luminal side of the lysosome (LAMP1 N terminus) so that it can be used for lysosomal pH sensing. This plasmid is described in a published paper that does not have a PubMed ID. Please cite as DOI: <https://doi.org/10.5281/zenodo.6363342>

Plasmid Name: pcDNA3_mScarlet-LAMP1

Relevant Mutation: deleted amino acids 1-21 of LAMP1

Record Creation Time: 20220713T080229+0000

Record Last Update: 20260902T043207+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3_mScarlet-LAMP1.

No alerts have been found for pcDNA3_mScarlet-LAMP1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Lee C, et al. (2025) DMXL1 promotes recruitment of V1-ATPase to lysosomes upon TRPML1 activation. Nature structural & molecular biology.

S Narasimhan KK, et al. (2025) Trans-synaptic signaling through GRID1/glutamate receptor delta-1 and CBLN1/cerebellin-1 facilitates autophagic flux in central amygdala and prevents chronic pain. Autophagy, 21(12), 3216.