

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pSIN-PAmCherry-KFERQ-NE

RRID:Addgene_102365

Type: Plasmid

Proper Citation

RRID:Addgene_102365

Plasmid Information

URL: <http://www.addgene.org/102365>

Proper Citation: RRID:Addgene_102365

Insert Name: PA-mCherry

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30983487](https://pubmed.ncbi.nlm.nih.gov/30983487/)

Vector Backbone Description: Backbone Marker:SINF-EF-G (from Dr. Robert Hawley, George Washington University) was modified to make the lentiviral backbone.; Backbone Size:7500; Vector Backbone:pSin4-EF2-IRES-Pur; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: "KFERQ" is the consensus peptide sequence found in various native proteins for mediating degradation via Chaperone-Mediated Autophagy (CMA) There is a "NheI" restriction site which we artificially added between PAmCherry and KFERQ-NE to facilitate cloning. i.e. 5'---PAmCherry-NheI-KFERQ-NE----3' This plasmid encodes a novel 18-amino-acid protein tag - "NE", which can be detected by a specific mouse monoclonal antibody in Western blotting, immunoprecipitation, and immunocytochemistry. (Source of antibody: <http://www.versitech.hku.hk/reagents/ne/>)

Plasmid Name: pSIN-PAmCherry-KFERQ-NE

Record Creation Time: 20220422T221455+0000

Record Last Update: 20260815T080023+0000

Ratings and Alerts

No rating or validation information has been found for pSIN-PAmCherry-KFERQ-NE.

No alerts have been found for pSIN-PAmCherry-KFERQ-NE.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Zhao Q, et al. (2025) o8G-modified circPLCE1 inhibits lung cancer progression via chaperone-mediated autophagy. *Molecular cancer*, 24(1), 82.

Zhou X, et al. (2025) Chaperone-mediated autophagy regulates the metastatic state of mesenchymal tumors. *EMBO molecular medicine*, 17(4), 747.

Ahn B, et al. (2025) Deacetylation of HSC70 by SIRT2 promotes chaperone mediated autophagy. *Autophagy reports*, 4(1), 2580781.

Cheng Z, et al. (2025) Chaperone-mediated autophagy directs a dual mechanism to balance premature senescence and senolysis to prevent intervertebral disc degeneration. *Bone research*, 13(1), 62.

Liu Y, et al. (2024) ALKBH1 promotes HIF-1 α -mediated glycolysis by inhibiting N-glycosylation of LAMP2A. *Cellular and molecular life sciences : CMLS*, 81(1), 130.

Byun JK, et al. (2023) Manassantin A inhibits tumour growth under hypoxia through the activation of chaperone-mediated autophagy by modulating Hsp90 activity. *British journal of cancer*, 128(8), 1491.

Dong RF, et al. (2023) Discovery of a potent inhibitor of chaperone-mediated autophagy that targets the HSC70-LAMP2A interaction in non-small cell lung cancer cells. *British journal of pharmacology*.

Lee W, et al. (2022) SNX10-mediated degradation of LAMP2A by NSAIDs inhibits chaperone-mediated autophagy and induces hepatic lipid accumulation. *Theranostics*, 12(5), 2351.