

Resource Summary Report

Generated by [NIF](#) on Sep 4, 2026

Dyn1(K44A)-mRFP

RRID:Addgene_55795

Type: Plasmid

Proper Citation

RRID:Addgene_55795

Plasmid Information

URL: <http://www.addgene.org/55795>

Proper Citation: RRID:Addgene_55795

Insert Name: Dynamin-1(K44A)-mRFP

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:15297467](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:3950; Vector Backbone:Derived from pEGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: Dyn1(K44A)-mRFP

Relevant Mutation: Dynamin-1(K44A)-mRFP was produced from Dynamin-1(K44A)-GFP by replacing GFP with mRFP.

Record Creation Time: 20220422T222326+0000

Record Last Update: 20260902T045730+0000

Ratings and Alerts

No rating or validation information has been found for Dyn1(K44A)-mRFP.

No alerts have been found for Dyn1(K44A)-mRFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Wei L, et al. (2024) Clathrin mediates membrane fission and budding by constricting membrane pores. *Cell discovery*, 10(1), 62.

Piacentino ML, et al. (2022) Temporal changes in plasma membrane lipid content induce endocytosis to regulate developmental epithelial-to-mesenchymal transition. *Proceedings of the National Academy of Sciences of the United States of America*, 119(51), e2212879119.

Shin W, et al. (2022) Molecular mechanics underlying flat-to-round membrane budding in live secretory cells. *Nature communications*, 13(1), 3697.

Li B, et al. (2020) Ionomycin ameliorates hypophosphatasia via rescuing alkaline phosphatase deficiency-mediated L-type Ca^{2+} channel internalization in mesenchymal stem cells. *Bone research*, 8, 19.

Zahavi EE, et al. (2018) The receptor tyrosine kinase TrkB signals without dimerization at the plasma membrane. *Science signaling*, 11(529).

Shin W, et al. (2018) Visualization of Membrane Pore in Live Cells Reveals a Dynamic-Pore Theory Governing Fusion and Endocytosis. *Cell*, 173(4), 934.