

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

[AP2u2-mCherry](#)

RRID:Addgene_27672

Type: Plasmid

Proper Citation

RRID:Addgene_27672

Plasmid Information

URL: <http://www.addgene.org/27672>

Proper Citation: RRID:Addgene_27672

Insert Name: Ap2m1

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21445324](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:5200; Vector Backbone:pIRESneo3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Rat ?2 was cloned from a construct provided by David Owen (see Collins et al. 2002). mCherry was inserted within ?2 at residue 236 with BglII and NdeI sites.

Plasmid Name: AP2u2-mCherry

Record Creation Time: 20220422T222124+0000

Record Last Update: 20260815T081305+0000

Ratings and Alerts

No rating or validation information has been found for AP2u2-mCherry.

No alerts have been found for AP2u2-mCherry.

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](#) .

Wang Q, et al. (2025) The nanoscale organization of the Nipah virus fusion protein informs new membrane fusion mechanisms. *eLife*, 13.

Matsubayashi HT, et al. (2024) Non-catalytic role of phosphoinositide 3-kinase in mesenchymal cell migration through non-canonical induction of p85 β /AP2-mediated endocytosis. *Nature communications*, 15(1), 2612.

Parisi B, et al. (2024) Apache is a neuronal player in autophagy required for retrograde axonal transport of autophagosomes. *Cellular and molecular life sciences : CMLS*, 81(1), 416.

Özçelik CE, et al. (2024) Screening Peptide Drug Candidates To Neutralize Whole Viral Agents: A Case Study with Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2). *ACS pharmacology & translational science*, 7(4), 1032.

Hellen N, et al. (2022) P-selectin mobility undergoes a sol-gel transition as it diffuses from exocytosis sites into the cell membrane. *Nature communications*, 13(1), 3031.

Cai X, et al. (2020) A novel phosphorylation site on orexin receptor 1 regulating orexinA-induced GRK2-biased signaling. *Cellular signalling*, 75, 109743.

Işbilir A, et al. (2020) Advanced fluorescence microscopy reveals disruption of dynamic CXCR4 dimerization by subpocket-specific inverse agonists. *Proceedings of the National Academy of Sciences of the United States of America*, 117(46), 29144.

Helbig I, et al. (2019) A Recurrent Missense Variant in AP2M1 Impairs Clathrin-Mediated Endocytosis and Causes Developmental and Epileptic Encephalopathy. *American journal of human genetics*, 104(6), 1060.

Yu CH, et al. (2015) Integrin-beta3 clusters recruit clathrin-mediated endocytic machinery in the absence of traction force. *Nature communications*, 6, 8672.

Lampe M, et al. (2014) Dual single-scission event analysis of constitutive transferrin receptor (TfR) endocytosis and ligand-triggered β 2-adrenergic receptor (β 2AR) or Mu-opioid receptor (MOR) endocytosis. *Molecular biology of the cell*, 25(19), 3070.