

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pAMPK alpha1 full length

RRID:Addgene_27297

Type: Plasmid

Proper Citation

RRID:Addgene_27297

Plasmid Information

URL: <http://www.addgene.org/27297>

Proper Citation: RRID:Addgene_27297

Insert Name: AMPK alpha1

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5600; Vector Backbone:pcDNA3.1/Hygro; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pAMPK alpha1 full length

Record Creation Time: 20220422T222122+0000

Record Last Update: 20260725T074517+0000

Ratings and Alerts

No rating or validation information has been found for pAMPK alpha1 full length.

No alerts have been found for pAMPK alpha1 full length.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Liu H, et al. (2020) The GID ubiquitin ligase complex is a regulator of AMPK activity and organismal lifespan. *Autophagy*, 16(9), 1618.

Wang S, et al. (2018) HSF1 deficiency accelerates the transition from pressure overload-induced cardiac hypertrophy to heart failure through endothelial miR-195a-3p-mediated impairment of cardiac angiogenesis. *Journal of molecular and cellular cardiology*, 118, 193.

Zhang M, et al. (2017) AMP-activated protein kinase $\alpha 1$ promotes atherogenesis by increasing monocyte-to-macrophage differentiation. *The Journal of biological chemistry*, 292(19), 7888.

Ashrafi G, et al. (2017) GLUT4 Mobilization Supports Energetic Demands of Active Synapses. *Neuron*, 93(3), 606.