

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

Pomc-pGL3

RRID:Addgene_17553

Type: Plasmid

Proper Citation

RRID:Addgene_17553

Plasmid Information

URL: <http://www.addgene.org/17553>

Proper Citation: RRID:Addgene_17553

Insert Name: Pomc promoter

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16604086](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:4818; Vector Backbone:pGL3; Vector Types:Mammalian Expression, Luciferase; Bacterial Resistance:Ampicillin

Comments: Addgene's sequence shows a C->T mutation in nt 129 of POMC. The depositing scientist is aware of this mutation and has found that it does not alter the promoter activity.

Plasmid Name: Pomc-pGL3

Record Creation Time: 20220422T222014+0000

Record Last Update: 20260725T074315+0000

Ratings and Alerts

No rating or validation information has been found for Pomc-pGL3.

No alerts have been found for Pomc-pGL3.

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](#) .

Rodeles LM, et al. (2021) Functional Autoreactive Anti- α 2 Adrenergic Antibodies May Contribute to Insulin Resistance Profile in Patients with Chronic Chagas Disease. Pathogens (Basel, Switzerland), 10(3).

Massman LJ, et al. (2021) O-GlcNAcylation Is Essential for Rapid Pomc Expression and Cell Proliferation in Corticotropic Tumor Cells. Endocrinology, 162(12).

Deshpande D, et al. (2021) Loss of POMC-mediated antinociception contributes to painful diabetic neuropathy. Nature communications, 12(1), 426.

Mercau ME, et al. (2019) Melatonin prevents early pituitary dysfunction induced by sucrose-rich diets. Journal of pineal research, 66(2), e12545.

Morgan EL, et al. (2018) STAT3 activation by E6 is essential for the differentiation-dependent HPV18 life cycle. PLoS pathogens, 14(4), e1006975.

Mercau ME, et al. (2016) Moderate Exercise Prevents Functional Remodeling of the Anterior Pituitary Gland in Diet-Induced Insulin Resistance in Rats: Role of Oxidative Stress and Autophagy. Endocrinology, 157(3), 1135.