

Resource Summary Report

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

pLenti-FoxO1-Clover

RRID:Addgene_67759

Type: Plasmid

Proper Citation

RRID:Addgene_67759

Plasmid Information

URL: <http://www.addgene.org/67759>

Proper Citation: RRID:Addgene_67759

Insert Name: FoxO1

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26040286](#)

Vector Backbone Description: Backbone Size:8679; Vector Backbone:Addgene Plasmid: 17452; Vector Types:Lentiviral; Bacterial Resistance:Ampicillin

Comments: Note: Addgene's quality control sequencing finds four additional amino acid residue substitutions in the murine FoxO1 insert: Q275R, N515Y, S574N, and L619P. The depositing laboratory has tested this construct biochemically and determined that these residue changes do not detrimentally affect plasmid function.

Plasmid Name: pLenti-FoxO1-Clover

Relevant Mutation: Changed Serine 209 to Alanine, changed Histidine 212 to Arginine, changed Serine 215 to Alanine

Record Creation Time: 20220422T222423+0000

Record Last Update: 20260815T081838+0000

Ratings and Alerts

No rating or validation information has been found for pLenti-FoxO1-Clover.

No alerts have been found for pLenti-FoxO1-Clover.

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](#) .

Parkinson C, et al. (2026) A dose-dependent switch in translation capacity controls the transcription factor response to H₂O₂ stress. bioRxiv : the preprint server for biology.

Guang L, et al. (2025) An obesogenic FTO allele causes accelerated development, growth and insulin resistance in human skeletal muscle cells. Nature communications, 16(1), 1645.

Henríquez-Olguín C, et al. (2025) Revisiting insulin-stimulated hydrogen peroxide dynamics reveals a cytosolic reductive shift in skeletal muscle. Redox biology, 82, 103607.

Lay AC, et al. (2021) IGFBP-1 expression is reduced in human type 2 diabetic glomeruli and modulates α 1-integrin/FAK signalling in human podocytes. Diabetologia, 64(7), 1690.

Xu J, et al. (2020) Upregulated PKM2 in Macrophages Exacerbates Experimental Arthritis via STAT1 Signaling. Journal of immunology (Baltimore, Md. : 1950), 205(1), 181.

Pope RJ, et al. (2020) An information theoretic approach to insulin sensing by human kidney podocytes. Molecular and cellular endocrinology, 518, 110976.

McKimpson WM, et al. (2019) A fluorescent reporter assay of differential gene expression response to insulin in hepatocytes. American journal of physiology. Cell physiology, 317(1), C143.

Gross SM, et al. (2019) Individual Cells Can Resolve Variations in Stimulus Intensity along the IGF-PI3K-AKT Signaling Axis. Cell systems, 9(6), 580.