Resource Summary Report

Generated by dkNET on Sep 23, 2026

pETduet+p300HAT

RRID:Addgene_157793
Type: Plasmid

Proper Citation

RRID:Addgene_157793

Plasmid Information

URL: http://www.addgene.org/157793

Proper Citation: RRID:Addgene_157793

Insert Name: p300HAT

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:31543265

Vector Backbone Description: Vector Backbone:pETduet; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: ySIR2 required for expression & purification - A synthetic ORF encoding the histone deacetylase domain of S. cerevisiae protein SIR2 was amplified from a dsDNA synthesized by IDT using PCR and primers adding a 5'-proximal translation start codon and a 3'-proximal translation stop codon and XhoI restriction endonuclease recognition site. XhoI restriction endonuclease (NEB) digested PCR product encoding amino acids 87-562 of wild-type SIR2 was cloned into the pETduet-1 expression vector (Novagen) using a XhoI and a blunted NdeI restriction endonuclease digestion site (NEB).

Plasmid Name: pETduet+p300HAT

Record Creation Time: 20220422T221854+0000

Record Last Update: 20260919T091144+0000

Ratings and Alerts

No rating or validation information has been found for pETduet+p300HAT.

No alerts have been found for pETduet+p300HAT.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Dewing SM, et al. (2025) Probing Enzymatic Acetylation Events in Real Time With NMR Spectroscopy: Insights Into Acyl-Cofactor Dependent p300 Modification of Histone H4. Proteins, 93(10), 1837.

Dewing SM, et al. (2024) Acetylation-Dependent Compaction of the Histone H4 Tail Ensemble. The journal of physical chemistry. B, 128(43), 10636.