

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

pcDNA3.1(-) rat C/EBP alpha

RRID:Addgene_12550

Type: Plasmid

Proper Citation

RRID:Addgene_12550

Plasmid Information

URL: <http://www.addgene.org/12550>

Proper Citation: RRID:Addgene_12550

Insert Name: CCAAT/Enhancer-binding Protein alpha

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12578822](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5427; Vector Backbone:pcDNA3.1(-); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3.1(-) rat C/EBP alpha

Record Creation Time: 20220422T221657+0000

Record Last Update: 20260808T080653+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1(-) rat C/EBP alpha.

No alerts have been found for pcDNA3.1(-) rat C/EBP alpha.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Rial SA, et al. (2025) 14-3-3 γ allows for adipogenesis by modulating chromatin accessibility during the early stages of adipocyte differentiation. *Molecular metabolism*, 97, 102159.

Rial SA, et al. (2024) 14-3-3 γ regulates adipogenesis by modulating chromatin accessibility during the early stages of adipocyte differentiation. *bioRxiv : the preprint server for biology*.

Czerny CC, et al. (2022) FOXA1 is a transcriptional activator of Odf2/Cenexin and regulates primary ciliation. *Scientific reports*, 12(1), 21468.

Makki MS, et al. (2017) Histone deacetylase inhibitor vorinostat (SAHA, MK0683) perturb miR-9-MCPIP1 axis to block IL-1 β -induced IL-6 expression in human OA chondrocytes. *Connective tissue research*, 58(1), 64.

Nohara K, et al. (2015) Ammonia-lowering activities and carbamoyl phosphate synthetase 1 (Cps1) induction mechanism of a natural flavonoid. *Nutrition & metabolism*, 12, 23.

Pletz N, et al. (2013) Transcriptional activation of Odf2/Cenexin by cell cycle arrest and the stress activated signaling pathway (JNK pathway). *Biochimica et biophysica acta*, 1833(6), 1338.

Bein K, et al. (2011) JUN-CCAAT/enhancer-binding protein complexes inhibit surfactant-associated protein B promoter activity. *American journal of respiratory cell and molecular biology*, 45(2), 436.

Bengoechea-Alonso MT, et al. (2010) The ubiquitin ligase Fbxw7 controls adipocyte differentiation by targeting C/EBP α for degradation. *Proceedings of the National Academy of Sciences of the United States of America*, 107(26), 11817.

Tsuchimochi K, et al. (2010) GADD45 β enhances Col10a1 transcription via the MTK1/MKK3/6/p38 axis and activation of C/EBP β -TAD4 in terminally differentiating chondrocytes. *The Journal of biological chemistry*, 285(11), 8395.