

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

pcDNA 3.1(-) rat C/EBP beta (LAP)

RRID:Addgene_12558

Type: Plasmid

Proper Citation

RRID:Addgene_12558

Plasmid Information

URL: <http://www.addgene.org/12558>

Proper Citation: RRID:Addgene_12558

Insert Name: CCAAT/Enhancer-binding Protein beta

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

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

Comments: The C/EBPbeta gene encodes 3 in-frame translational isoforms (LAP*, LAP, and LIP). LAP is the predominant activating isoform expressed in most cells, and this plasmid is designed to express the LAP isoform of the protein. The construct does not include the extra 21 codons at the N terminus that are present in LAP*. The complete insert (not just the ORF) includes a Kozak box sequence at the N terminus. For more information on the C/EBPbeta isoforms, please see the original reference: Descombes, P., and Schibler, U. A liver-enriched transcriptional activator protein, LAP, and a transcriptional inhibitory protein, LIP, are translated from the same mRNA. Cell 67:569-579 (1991).

Plasmid Name: pcDNA 3.1(-) rat C/EBP beta (LAP)

Record Creation Time: 20220422T221658+0000

Record Last Update: 20260815T080417+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA 3.1(-) rat C/EBP beta (LAP).

No alerts have been found for pcDNA 3.1(-) rat C/EBP beta (LAP).

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 [RRID](#) .

Hiyama A, et al. (2016) CCAAT/enhancer binding protein ? regulates the expression of tumor necrosis factor-? in the nucleus pulposus cells. Journal of orthopaedic research : official publication of the Orthopaedic Research Society, 34(5), 865.

Masuda M, et al. (2016) Activating transcription factor-4 promotes mineralization in vascular smooth muscle cells. JCI insight, 1(18), e88646.

Ramani K, et al. (2012) Transcriptional regulation of methionine adenosyltransferase 2A by peroxisome proliferator-activated receptors in rat hepatic stellate cells. Hepatology (Baltimore, Md.), 55(6), 1942.

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