

Resource Summary Report

Generated by [NIF](#) on Jul 28, 2026

pHes1(467 RBPj(-))-luc

RRID:Addgene_43805

Type: Plasmid

Proper Citation

RRID:Addgene_43805

Plasmid Information

URL: <http://www.addgene.org/43805>

Proper Citation: RRID:Addgene_43805

Insert Name: Hes1 Promoter (-467 to +46) RBPj(-)

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9570950](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:5597; Vector Backbone:pGL2-Basic; Vector Types:Mammalian Expression, Luciferase; Bacterial Resistance:Ampicillin

Comments: Alternate plasmid name: Hes1/RBP-J (-) This construct contains the murine Hes1 promoter lacking the RBP-J site. Relevant sequence portion: WT: -86 /TGTGGGAAAGAAAGTTTGGGAAGTTT/ -61 Rbp J(-): -86 /TGTG[CTGC]AGAAAgTT[CTCG]AGTTT/ -61 (mutated sequences are bracketed) In Rbp J(-), PstI (CTGCAG) and XhoI (CTCGAG) sites are introduced. Addgene quality control discovered a 2-base deletion (lower case letters) in the murine Hes1 promoter. This should not affect the function, and the vector is OK.

Plasmid Name: pHes1(467 RBPj(-))-luc

Relevant Mutation: Contains the murine Hes1 promoter (-467 to +46), lacks the RBP-J site (see below)

Record Creation Time: 20220422T222227+0000

Record Last Update: 20260725T074714+0000

Ratings and Alerts

No rating or validation information has been found for pHes1(467 RBPj(-))-luc.

No alerts have been found for pHes1(467 RBPj(-))-luc.

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 [NIF](#) .

Sfeir N, et al. (2024) RIP140 regulates transcription factor HES1 oscillatory expression and mitogenic activity in colon cancer cells. *Molecular oncology*.

Kim MS, et al. (2024) Disrupting Notch signaling related HES1 in myeloid cells reinvigorates antitumor T cell responses. *Experimental hematology & oncology*, 13(1), 122.

Luque-Molina I, et al. (2019) The Orphan Nuclear Receptor TLX Represses Hes1 Expression, Thereby Affecting NOTCH Signaling and Lineage Progression in the Adult SEZ. *Stem cell reports*, 13(1), 132.

Greife A, et al. (2014) Canonical Notch signalling is inactive in urothelial carcinoma. *BMC cancer*, 14, 628.