

Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

pCRII_TOPO_hNEAT1

RRID:Addgene_61518

Type: Plasmid

Proper Citation

RRID:Addgene_61518

Plasmid Information

URL: <http://www.addgene.org/61518>

Proper Citation: RRID:Addgene_61518

Insert Name: NEAT1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin and Kanamycin

Defining Citation: [PMID:19217333](#)

Vector Backbone Description: Backbone Marker:Life Technologies; Backbone Size:4000; Vector Backbone:PCRII; Vector Types:general cloning vector; Bacterial Resistance:Ampicillin and Kanamycin

Comments: *To create this plasmid, hNEAT1 was amplified from HeLa cDNA. The insert contains two mismatches (C->T at bp 78, and A->G at bp 91, an A->G at bp 1666, and a deletion of TA at bp 2031 and 2032 using the numbering of NR_028272.1) compared to the canonical hNEAT1 sequence. These variants are likely to be encoded in the HeLa genome, as they appeared in multiple clones, but this is yet to be verified by sequencing of HeLa genomic DNA.

Plasmid Name: pCRII_TOPO_hNEAT1

Relevant Mutation: *see comment below

Record Creation Time: 20220422T222353+0000

Record Last Update: 20260815T081743+0000

Ratings and Alerts

No rating or validation information has been found for pCRII_TOPO_hNEAT1.

No alerts have been found for pCRII_TOPO_hNEAT1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Liu X, et al. (2026) Claudins interact with LILRB immune inhibitory receptors to promote myeloid immunosuppression in cancer. *Science immunology*, 11(118), eadt7832.

Siqueira E, et al. (2025) NEAT1-mediated regulation of proteostasis and mRNA localization impacts autophagy dysregulation in Rett syndrome. *Nucleic acids research*, 53(4).

Matsukawa K, et al. (2021) Long non-coding RNA NEAT1_1 ameliorates TDP-43 toxicity in in vivo models of TDP-43 proteinopathy. *RNA biology*, 18(11), 1546.

Koyama S, et al. (2020) NEAT1 is Required for the Expression of the Liver Cancer Stem Cell Marker CD44. *International journal of molecular sciences*, 21(6).

Cawte AD, et al. (2020) Live cell imaging of single RNA molecules with fluorogenic Mango II arrays. *Nature communications*, 11(1), 1283.

Guill??n-Boixet J, et al. (2020) RNA-Induced Conformational Switching and Clustering of G3BP Drive Stress Granule Assembly by Condensation. *Cell*, 181(2), 346.