

Resource Summary Report

Generated by [kravitz2](#) on Aug 9, 2026

pGL2Basic-EcadK1/EpaIMUT/EboxMUT/Ebox2MUT

RRID:Addgene_19291

Type: Plasmid

Proper Citation

RRID:Addgene_19291

Plasmid Information

URL: <http://www.addgene.org/19291>

Proper Citation: RRID:Addgene_19291

Insert Name: E-cadherin

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11912130](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:5568; Vector Backbone:pGL2Basic; Vector Types:Mammalian Expression, Luciferase; Bacterial Resistance:Ampicillin

Comments: Endogenous ATG of Ecad destroyed; "C" deleted 5 bp 5' of ATG (the destroyed one) 33 bp linker between Ecad promoter and luciferase gene.

Plasmid Name: pGL2Basic-EcadK1/EpaIMUT/EboxMUT/Ebox2MUT

Relevant Mutation: E-cad promoter sequences from -108 to +125 Ebox elements were mutated from 5'-CANNTG-3' to 5'-AANNTA-3' (sense strand)

Record Creation Time: 20220422T222045+0000

Record Last Update: 20260808T081350+0000

Ratings and Alerts

No rating or validation information has been found for pGL2Basic-EcadK1/EpaIMUT/EboxMUT/Ebox2MUT.

No alerts have been found for pGL2Basic-EcadK1/EpaIMUT/EboxMUT/Ebox2MUT.

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 [kravitz2](#) .

Qiang L, et al. (2023) Autophagy regulates tumor growth and metastasis. bioRxiv : the preprint server for biology.

Dosch AR, et al. (2019) Src kinase inhibition restores E-cadherin expression in dasatinib-sensitive pancreatic cancer cells. Oncotarget, 10(10), 1056.

He Y, et al. (2017) The Cdc42/Rac1 regulator CdGAP is a novel E-cadherin transcriptional co-repressor with Zeb2 in breast cancer. Oncogene, 36(24), 3490.

Nagathihalli NS, et al. (2012) Smoking induces epithelial-to-mesenchymal transition in non-small cell lung cancer through HDAC-mediated downregulation of E-cadherin. Molecular cancer therapeutics, 11(11), 2362.