

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

pLPCX-VEcadTS

RRID:Addgene_45848

Type: Plasmid

Proper Citation

RRID:Addgene_45848

Plasmid Information

URL: <http://www.addgene.org/45848>

Proper Citation: RRID:Addgene_45848

Insert Name: VE-cadherin Tension Sensor

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23684974](#)

Vector Backbone Description: Backbone Marker:Clonotech; Backbone Size:6265; Vector Backbone:pLPCX; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Plasmid Name: pLPCX-VEcadTS

Record Creation Time: 20220422T222236+0000

Record Last Update: 20260815T081526+0000

Ratings and Alerts

No rating or validation information has been found for pLPCX-VEcadTS.

No alerts have been found for pLPCX-VEcadTS.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Denis KB, et al. (2021) The LINC complex is required for endothelial cell adhesion and adaptation to shear stress and cyclic stretch. *Molecular biology of the cell*, 32(18), 1654.

Carvalho JR, et al. (2019) Non-canonical Wnt signaling regulates junctional mechanocoupling during angiogenic collective cell migration. *eLife*, 8.

Conway DE, et al. (2017) VE-Cadherin Phosphorylation Regulates Endothelial Fluid Shear Stress Responses through the Polarity Protein LGN. *Current biology : CB*, 27(14), 2219.