

Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

SBE-Luc

RRID:Addgene_16527

Type: Plasmid

Proper Citation

RRID:Addgene_16527

Plasmid Information

URL: <http://www.addgene.org/16527>

Proper Citation: RRID:Addgene_16527

Insert Name: Smad binding element

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9702198](#)

Vector Backbone Description: Backbone Marker:Vogelstein Lab; Backbone Size:4867; Vector Backbone:pBV-Luc; Vector Types:Mammalian Expression, Luciferase; Bacterial Resistance:Ampicillin

Comments: SBE-luc was made by annealing the oligonucleotides 5'-CGGAGTATGTCTAGACTGACAATG-3' and 5'-CTAGCATTGTCAGTCTAGACATACTCCGAGCT-3' and cloning them into the Sac1 and Nhe1 sites.

Plasmid Name: SBE-Luc

Record Creation Time: 20220422T221933+0000

Record Last Update: 20260912T092216+0000

Ratings and Alerts

No rating or validation information has been found for SBE-Luc.

No alerts have been found for SBE-Luc.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Miao T, et al. (2025) Down-regulation of MFNG promotes the metastatic potential of lung adenocarcinoma by regulating TGF- β /Smad signaling. *iScience*, 28(11), 113647.

Feng Y, et al. (2024) HIPK2 C-terminal domain inhibits NF- κ B signaling and renal inflammation in kidney injury. *JCI insight*, 9(8).

Lee YJ, et al. (2020) TOPK promotes epithelial-mesenchymal transition and invasion of breast cancer cells through upregulation of TBX3 in TGF- β 1/Smad signaling. *Biochemical and biophysical research communications*, 522(1), 270.

Bissey PA, et al. (2018) Dysregulation of the MiR-449b target TGFBI alters the TGF- β pathway to induce cisplatin resistance in nasopharyngeal carcinoma. *Oncogenesis*, 7(5), 40.

Duran J, et al. (2018) GDF11 Modulates Ca²⁺-Dependent Smad2/3 Signaling to Prevent Cardiomyocyte Hypertrophy. *International journal of molecular sciences*, 19(5).

Kathiriya JJ, et al. (2017) Galectin-1 inhibition attenuates profibrotic signaling in hypoxia-induced pulmonary fibrosis. *Cell death discovery*, 3, 17010.

Nyati S, et al. (2016) A Requirement for ZAK Kinase Activity in Canonical TGF- β Signaling. *Translational oncology*, 9(6), 473.

Nyati S, et al. (2015) The kinase activity of the Ser/Thr kinase BUB1 promotes TGF- β signaling. *Science signaling*, 8(358), ra1.

Sörensen-Zender I, et al. (2015) Zinc- α 2-Glycoprotein Exerts Antifibrotic Effects in Kidney and Heart. *Journal of the American Society of Nephrology : JASN*, 26(11), 2659.