

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 30, 2026

pSIL-eGFP-shACTN1

RRID:Addgene_52676

Type: Plasmid

Proper Citation

RRID:Addgene_52676

Plasmid Information

URL: <http://www.addgene.org/52676>

Proper Citation: RRID:Addgene_52676

Insert Name: ACTN1

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19028690](#)

Vector Backbone Description: Backbone Marker:Hell lab, Addgene plasmid #52675; Vector Backbone:pSIL-EGFP; Vector Types:RNAi; Bacterial Resistance:Ampicillin

Comments: EGFP is a transfection marker, not a fusion. RNAi targeted at 476–494 from the start sequence of rat β -actinin-1 (the sense chain was 5'-gatctccaacgtcaacaagttcaagagactgttgacgttgagatctttt-3'. The 19-nucleotide sense sequence and the inverted antisense sequence were connected by a 9-nucleotide spacer to allow stem-loop formation. At the 3' end, a penta-thymidine motif provided a polymerase III termination site. siRNAs were cloned into pSilencer™ vector for expression of the respective sequences under the U6 promotor.

Plasmid Name: pSIL-eGFP-shACTN1

Record Creation Time: 20220422T222309+0000

Record Last Update: 20260829T080651+0000

Ratings and Alerts

No rating or validation information has been found for pSIL-eGFP-shACTN1.

No alerts have been found for pSIL-eGFP-shACTN1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.