

Resource Summary Report

Generated by [RRID](#) on Aug 30, 2026

pGBW-m4137382

RRID:Addgene_149539

Type: Plasmid

Proper Citation

RRID:Addgene_149539

Plasmid Information

URL: <http://www.addgene.org/149539>

Proper Citation: RRID:Addgene_149539

Insert Name: SARS-CoV-2 S (surface glycoprotein)

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:860; Vector Backbone:AmpR gene, with start and stop codons; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: NCBI reference sequence: YP_009724390.1 . This plasmid contains an 18 or 19bp truncation in the CMV promoter and was synthesized for making pseudotyped VSV particles. It has been shown that truncations either help expression and /or capture by VSVdeltaG. See <https://www.ncbi.nlm.nih.gov/pubmed/19057867> for original paper on VSV pseudotyping, and [https://www.cell.com/cell/pdf/S0092-8674\(20\)30229-4.pdf](https://www.cell.com/cell/pdf/S0092-8674(20)30229-4.pdf) on more recent efforts with SARS-CoV-2. Please note: Addgene NGS finds that the AmpR resistance marker is in the opposite orientation in the plasmid relative to the depositor's sequence. As the plasmid was able to grow in media with Ampicillin, this is not expected to affect plasmid function.

Plasmid Name: pGBW-m4137382

Relevant Mutation: H. sapiens recode;19-aa Ctrunc

Record Creation Time: 20220422T221830+0000

Record Last Update: 20260829T075708+0000

Ratings and Alerts

No rating or validation information has been found for pGBW-m4137382.

No alerts have been found for pGBW-m4137382.

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 [RRID](#) .

Song J, et al. (2022) LRRC15 inhibits SARS-CoV-2 cellular entry in trans. PLoS biology, 20(10), e3001805.

Guo X, et al. (2021) Effective chimeric antigen receptor T cells against SARS-CoV-2. iScience, 24(11), 103295.

Song J, et al. (2021) LRRC15 is an inhibitory receptor blocking SARS-CoV-2 spike-mediated entry in trans. bioRxiv : the preprint server for biology.