

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

pSpCas9_BB_2A-GFP_MAPRE3-gRNA#1

RRID:Addgene_107729

Type: Plasmid

Proper Citation

RRID:Addgene_107729

Plasmid Information

URL: <http://www.addgene.org/107729>

Proper Citation: RRID:Addgene_107729

Insert Name: MAPRE3 gRNA #1 (targets Exon 1)

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29379139](#)

Vector Backbone Description: Backbone Marker:Feng Zhang Lab; Backbone Size:9288; Vector Backbone:pSpCas9(BB)-2A-GFP (Addgene #48138); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: For a detailed protocol on knocking out EB1 in human cell lines by CRISPR/Cas9, see our protocol on "Protocol Exchange" (doi and link can be found below) For rapidly cloning gRNA sequences into pSpCAS9(BB)-2a-GFP in a single RE digestion/ligation step, see support protocol 3 Generation of cell lines with light-controlled microtubule dynamics Torsten Wittmann & Jeffrey van Haren Protocol Exchange (2018) doi:10.1038/protex.2017.155 <https://www.nature.com/protocolexchange/protocols/6427>

Plasmid Name: pSpCas9_BB_2A-GFP_MAPRE3-gRNA#1

Record Creation Time: 20220422T221522+0000

Record Last Update: 20260808T080401+0000

Ratings and Alerts

No rating or validation information has been found for pSpCas9_BB_2A-GFP_MAPRE3-gRNA#1 .

No alerts have been found for pSpCas9_BB_2A-GFP_MAPRE3-gRNA#1 .

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

van Haren J, et al. (2020) Optogenetic Control of Microtubule Dynamics. Methods in molecular biology (Clifton, N.J.), 2101, 211.