

Resource Summary Report

Generated by [dkNET](#) on Aug 31, 2026

NFATc1-CRISPR-Nick 1/2 (PX461-EF1a-pSpCas9n(BB)-2A-GFP)

RRID:Addgene_75238

Type: Plasmid

Proper Citation

RRID:Addgene_75238

Plasmid Information

URL: <http://www.addgene.org/75238>

Proper Citation: RRID:Addgene_75238

Insert Name: sgRNA against NFATc1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27637333](#)

Vector Backbone Description: Backbone Marker:Feng Zhang (Plasmid #48140); Backbone Size:9703; Vector Backbone:PX461-pSpCas9n(BB)2A-GFP; Vector Types:CRISPR; Bacterial Resistance:Ampicillin

Comments: gRNA contains at least 3 mismatches against human DNA (<http://crispr.mit.edu>). 2 additional nonmatching Guanidines added at 5' to enhance specificity (Kim, D. et al. Digenome-seq: genome-wide profiling of CRISPR-Cas9 off-target effects in human cells. Nat. Methods 12, 237–43, 1 p following 243 (2015).) targets all isoforms. MUST BE COTRANSFECTED WITH PLASMID #75239

Plasmid Name: NFATc1-CRISPR-Nick 1/2 (PX461-EF1a-pSpCas9n(BB)-2A-GFP)

Record Creation Time: 20220422T222457+0000

Record Last Update: 20260829T081019+0000

Ratings and Alerts

No rating or validation information has been found for NFATc1-CRISPR-Nick 1/2 (PX461-EF1a-pSpCas9n(BB)-2A-GFP).

No alerts have been found for NFATc1-CRISPR-Nick 1/2 (PX461-EF1a-pSpCas9n(BB)-2A-GFP).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.