

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

pDONR223_RAC1_WT

RRID:Addgene_82157

Type: Plasmid

Proper Citation

RRID:Addgene_82157

Plasmid Information

URL: <http://www.addgene.org/82157>

Proper Citation: RRID:Addgene_82157

Insert Name: RAC1

Organism: Homo sapiens

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:27147599](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:2790; Vector Backbone:pDONR223; Vector Types:Gateway Cloning; Bacterial Resistance:Spectinomycin

Comments: Closed state: stop codon immediately follows insert Supporting reference: Systematic morphological profiling of human gene and allele function via Cell Painting. Rohban MH, et al. Elife. 2017, Mar 18;6. pii: e24060. PubMed PMID 28315521

Plasmid Name: pDONR223_RAC1_WT

Relevant Mutation: WT

Record Creation Time: 20220422T222534+0000

Record Last Update: 20260815T082055+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223_RAC1_WT.

No alerts have been found for pDONR223_RAC1_WT.

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 [RRID](#) .

Cannon AC, et al. (2024) Unique vulnerability of RAC1-mutant melanoma to combined inhibition of CDK9 and immune checkpoints. *Oncogene*, 43(10), 729.