

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

pcDNA4-TO-Myc-rZAP

RRID:Addgene_17381

Type: Plasmid

Proper Citation

RRID:Addgene_17381

Plasmid Information

URL: <http://www.addgene.org/17381>

Proper Citation: RRID:Addgene_17381

Insert Name: ZAP

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12215647](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5100; Vector Backbone:pCDNA4 TO2 myc HisB; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The NZAP fragment was excised from pBabe-NZAP-Zeo with EcoRI-NotI and cloned into pCDNA4/TO2-myc-HisB to generate a myc-tagged NZAP. The C-terminal portion of ZAP was cloned from a Rat2 cell cDNA library by PCR using sense primer CZAP-SP (5'-GAGCTCTCTGGGCTTAACC-3') and antisense primer CZAP-AP (5'-ATATAGGCGGCCGCCCTCTGGACCTCTTCTCTTC-3'). The sense primer lies upstream from an internal NheI site in NZAP; the antisense primer introduces a NotI site immediately downstream from the coding sequence to facilitate its cloning into the myc-tagged expression vector.

Plasmid Name: pcDNA4-TO-Myc-rZAP

Record Creation Time: 20220422T222006+0000

Record Last Update: 20260725T074300+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA4-TO-Myc-rZAP.

No alerts have been found for pcDNA4-TO-Myc-rZAP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Moldovan JB, et al. (2015) The Zinc-Finger Antiviral Protein ZAP Inhibits LINE and Alu Retrotransposition. PLoS genetics, 11(5), e1005121.

Alonso JA, et al. (2013) Sequence variability in viral genome non-coding regions likely contribute to observed differences in viral replication amongst MARV strains. Virology, 440(1), 51.