

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pRK5-myc-Miro1 E208K/E328K

RRID:Addgene_47894

Type: Plasmid

Proper Citation

RRID:Addgene_47894

Plasmid Information

URL: <http://www.addgene.org/47894>

Proper Citation: RRID:Addgene_47894

Insert Name: Miro1 E208K/E328K

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16630562](#)

Vector Backbone Description: Backbone Marker:Dr. Alan Hall, MRC-LMCB; Vector Backbone:pRK5-myc; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pRK5-myc-Miro1 E208K/E328K

Relevant Mutation: E208K/E328K, abolishes calcium binding

Record Creation Time: 20220422T222246+0000

Record Last Update: 20260815T081545+0000

Ratings and Alerts

No rating or validation information has been found for pRK5-myc-Miro1 E208K/E328K.

No alerts have been found for pRK5-myc-Miro1 E208K/E328K.

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](#) .

Endoni BT, et al. (2025) MIRO1 Is Required for Dynamic Increases in Mitochondria-ER Contact Sites and Mitochondrial ATP During the Cell Cycle. *Cells*, 14(7).

Kalinski AL, et al. (2019) Deacetylation of Miro1 by HDAC6 blocks mitochondrial transport and mediates axon growth inhibition. *The Journal of cell biology*, 218(6), 1871.

Jackson JG, et al. (2015) Reciprocal Regulation of Mitochondrial Dynamics and Calcium Signaling in Astrocyte Processes. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 35(45), 15199.