

Resource Summary Report

Generated by [dkNET](#) on Jul 30, 2026

PERK 3: PERK.dC.9E10.pCDNA

RRID:Addgene_21816

Type: Plasmid

Proper Citation

RRID:Addgene_21816

Plasmid Information

URL: <http://www.addgene.org/21816>

Proper Citation: RRID:Addgene_21816

Insert Name: PERK (C-term deleted)

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9930704](#)

Vector Backbone Description: Backbone Size:4756; Vector Backbone:pCDNA; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Mouse PERK, C-term deleted (removes amino-acids 582-1081), 9E10-tagged at C-terminus, mammalian expression vector. Sequencing found a S1109T mutation. There is no evidence that the mutation affects activity.

Plasmid Name: PERK 3: PERK.dC.9E10.pCDNA

Relevant Mutation: amino-acids 582-1081 deleted

Record Creation Time: 20220422T222057+0000

Record Last Update: 20260725T074428+0000

Ratings and Alerts

No rating or validation information has been found for PERK 3: PERK.dC.9E10.pCDNA.

No alerts have been found for PERK 3: PERK.dC.9E10.pCDNA.

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 [dkNET](#) .

Chen S, et al. (2019) Trimethylamine N-Oxide Binds and Activates PERK to Promote Metabolic Dysfunction. *Cell metabolism*, 30(6), 1141.

Verfaillie T, et al. (2012) PERK is required at the ER-mitochondrial contact sites to convey apoptosis after ROS-based ER stress. *Cell death and differentiation*, 19(11), 1880.