

Resource Summary Report

Generated by [kravitz2](#) on Aug 6, 2026

PERK 4: PERKKD-pGEX4T-1

RRID:Addgene_21817

Type: Plasmid

Proper Citation

RRID:Addgene_21817

Plasmid Information

URL: <http://www.addgene.org/21817>

Proper Citation: RRID:Addgene_21817

Insert Name: PERK (537-1114)

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9930704](#)

Vector Backbone Description: Backbone Marker:Amersham; Backbone Size:5000; Vector Backbone:pGEX-4T-1; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Mouse PERK (537-1114), wild-type, 9E10-tagged at C-terminus, fused to GST, bacterial expression vector, pGEX4T-1 Sequencing found a S1109T mutation. There is no evidence that the mutation affects activity.

Plasmid Name: PERK 4: PERKKD-pGEX4T-1

Relevant Mutation: PERK Kinase Domain. Amino acids 537-1114.

Record Creation Time: 20220422T222057+0000

Record Last Update: 20260801T081008+0000

Ratings and Alerts

No rating or validation information has been found for PERK 4: PERKKD-pGEX4T-1.

No alerts have been found for PERK 4: PERKKD-pGEX4T-1.

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 [kravitz2](#) .

Latorre-Muro P, et al. (2021) A cold-stress-inducible PERK/OGT axis controls TOM70-assisted mitochondrial protein import and cristae formation. *Cell metabolism*, 33(3), 598.

Krzyzosiak A, et al. (2018) Target-Based Discovery of an Inhibitor of the Regulatory Phosphatase PPP1R15B. *Cell*, 174(5), 1216.

Carrara M, et al. (2017) Decoding the selectivity of eIF2?? holophosphatases and PPP1R15A inhibitors. *Nature structural & molecular biology*, 24(9), 708.