

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

PERK 5: PERK.K618R.pGEX4T-1

RRID:Addgene_21818

Type: Plasmid

Proper Citation

RRID:Addgene_21818

Plasmid Information

URL: <http://www.addgene.org/21818>

Proper Citation: RRID:Addgene_21818

Insert Name: PERK (537-1114) K618R

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), K618R mutant, 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 5: PERK.K618R.pGEX4T-1

Relevant Mutation: PERK Kinase Domain. Amino acids 537-1114. Kinase dead K618R mutant.

Record Creation Time: 20220422T222057+0000

Record Last Update: 20260815T081205+0000

Ratings and Alerts

No rating or validation information has been found for PERK 5: PERK.K618R.pGEX4T-1.

No alerts have been found for PERK 5: PERK.K618R.pGEX4T-1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.