

Resource Summary Report

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

MuHKII-pGFPN3

RRID:Addgene_21922

Type: Plasmid

Proper Citation

RRID:Addgene_21922

Plasmid Information

URL: <http://www.addgene.org/21922>

Proper Citation: RRID:Addgene_21922

Insert Name: Mutant huamn HKII (with a mutation in the catalytic site in the C-terminal half of the enzyme) in pGFP-N3

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:18039843](#)

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pGFP-N3; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: MuHKII-pGFPN3

Relevant Mutation: This is the full length human HKII cDNA sequence with C->A (D209A and D657A) mutations in the catalytic sites of the enzyme in the N- and C-halves. The cDNA is cloned into pGFP-N3

Record Creation Time: 20220422T222057+0000

Record Last Update: 20260725T074428+0000

Ratings and Alerts

No rating or validation information has been found for MuHKII-pGFPN3.

No alerts have been found for MuHKII-pGFPN3.

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 [dkNET](#) .

Fairley LH, et al. (2023) Mitochondrial control of microglial phagocytosis by the translocator protein and hexokinase 2 in Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 120(8), e2209177120.

Yin X, et al. (2019) Hexokinase 2 couples glycolysis with the profibrotic actions of TGF- β . Science signaling, 12(612).

Lee HJ, et al. (2019) Non-proteolytic ubiquitination of Hexokinase 2 by HectH9 controls tumor metabolism and cancer stem cell expansion. Nature communications, 10(1), 2625.