

Resource Summary Report

Generated by [dkNET](#) on Aug 25, 2026

atp-5(gk5424[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ V.

RRID:WB-STRAIN:WBStrain00051141

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00051141

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00051141>

Proper Citation: RRID:WB-STRAIN:WBStrain00051141

Description: Caenorhabditis elegans with name atp-5(gk5424[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ V. from WB.

Species: Caenorhabditis elegans

Synonyms: atp-5(gk5424[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ V.

Notes: Apparent homozygous lethal or sterile deletion as unbalanced heterozygote. Deletion of 848 bp with Calarco/Colaiacovo selection cassette conferring myo-2::GFP and G418 resistance inserted at break. Pick viable fertile GFP+ animals to maintain. Left flanking sequence: TGAAGAAGGGGGTATCGACTGCATAAGCTC. Right flanking sequence: CACGGAAGACGTCGCTACCCTCTTAGCGGC. Please reference Au et al., G3 9(1): 135-144 2019 in any work resulting from use of this mutation.|"Made_by: Vancouver KO Group"

Affected Gene: WBGene00003514(myo-2)|WBGene00004496(rps-27)|WBGene00006789(unc-54)|WBGene00007385(atp-5)

Genomic Alteration: WBGene00003514(myo-2), WBGene00004496(rps-27), WBGene00006789(unc-54), WBGene00007385(atp-5)

Catalog Number: WB-STRAIN:WBStrain00051141

Database: WormBase (WB)

Database Abbreviation: WB

Availability: unknown

Organism Name: atp-5(gk5424[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ V.

Record Creation Time: 20230227T013845+0000

Record Last Update: 20260815T163735+0000

Ratings and Alerts

No rating or validation information has been found for atp-5(gk5424[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ V..

No alerts have been found for atp-5(gk5424[loxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + loxP])/+ V..

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Wibisono P, et al. (2024) Neuronal GPCR NMUR-1 regulates energy homeostasis in response to pathogen infection. bioRxiv : the preprint server for biology.