

Resource Summary Report

Generated by [nidm-terms](#) on Jul 30, 2026

pDR-GW AT1.03R122K/R126K

RRID:Addgene_28005

Type: Plasmid

Proper Citation

RRID:Addgene_28005

Plasmid Information

URL: <http://www.addgene.org/28005>

Proper Citation: RRID:Addgene_28005

Insert Name: AT1.03R122K/R126K

Organism: B. Subtilis

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20854260](#)

Vector Backbone Description: Backbone Size:6866; Vector Backbone:pDRf1GW-ura3; Vector Types:Yeast Expression; Bacterial Resistance:Ampicillin

Comments: AT1.03 is composed of mseCFPdeltaC11, in which 11 C-terminal amino acids were truncated, Bacillus subtilis F0F1 ATP synthase subunit epsilon with V9T/V42K/F67T/L78T mutations, and cp173-mVenus.

Plasmid Name: pDR-GW AT1.03R122K/R126K

Relevant Mutation: R122K, R126K

Record Creation Time: 20220422T222126+0000

Record Last Update: 20260725T074524+0000

Ratings and Alerts

No rating or validation information has been found for pDR-GW AT1.03R122K/R126K.

No alerts have been found for pDR-GW AT1.03R122K/R126K.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

van Roermund CWT, et al. (2021) Peroxisomal ATP Uptake Is Provided by Two Adenine Nucleotide Transporters and the ABCD Transporters. *Frontiers in cell and developmental biology*, 9, 788921.

Botman D, et al. (2020) An Improved ATP FRET Sensor For Yeast Shows Heterogeneity During Nutrient Transitions. *ACS sensors*, 5(3), 814.

Köhler S, et al. (2020) A Dual Nanosensor Approach to Determine the Cytosolic Concentration of ATP in Astrocytes. *Frontiers in cellular neuroscience*, 14, 565921.

Winkler U, et al. (2017) Activity-dependent modulation of intracellular ATP in cultured cortical astrocytes. *Journal of neuroscience research*, 95(11), 2172.

Lange SC, et al. (2015) Dynamic Changes in Cytosolic ATP Levels in Cultured Glutamatergic Neurons During NMDA-Induced Synaptic Activity Supported by Glucose or Lactate. *Neurochemical research*, 40(12), 2517.