

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

[pBXNPHM3](#)

RRID:Addgene_110099

Type: Plasmid

Proper Citation

RRID:Addgene_110099

Plasmid Information

URL: <http://www.addgene.org/110099>

Proper Citation: RRID:Addgene_110099

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:29792401](#)

Vector Backbone Description: Vector Backbone:pBXNPHM3; Vector Types:Bacterial Expression; Bacterial Resistance:Chloramphenicol and Ampicillin

Plasmid Name: pBXNPHM3

Record Creation Time: 20220422T221535+0000

Record Last Update: 20260815T080136+0000

Ratings and Alerts

No rating or validation information has been found for pBXNPHM3.

No alerts have been found for pBXNPHM3.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Jones SA, et al. (2025) Proton conductance by human uncoupling protein 1 is inhibited by purine and pyrimidine nucleotides. *The EMBO journal*, 44(8), 2353.

Dobert JP, et al. (2025) Cryo-TEM structure of β -glucocerebrosidase in complex with its transporter LIMP-2. *Nature communications*, 16(1), 3074.

Sichrovsky M, et al. (2025) Molecular basis of pyruvate transport and inhibition of the human mitochondrial pyruvate carrier. *Science advances*, 11(16), eadw1489.

Sorgenfrei M, et al. (2025) Rapid detection and capture of clinical *Escherichia coli* strains mediated by OmpA-targeting nanobodies. *Communications biology*, 8(1), 1047.

Drozdzyk K, et al. (2024) Structural features of heteromeric channels composed of CALHM2 and CALHM4 paralogs. *eLife*, 13.

Meier G, et al. (2023) Deep mutational scan of a drug efflux pump reveals its structure-function landscape. *Nature chemical biology*, 19(4), 440.

Jones SA, et al. (2023) Structural basis of purine nucleotide inhibition of human uncoupling protein 1. *Science advances*, 9(22), eadh4251.

Botte M, et al. (2022) Cryo-EM structures of a LptDE transporter in complex with Pro-macrobodies offer insight into lipopolysaccharide translocation. *Nature communications*, 13(1), 1826.

Galazzo L, et al. (2022) The ABC transporter MsbA adopts the wide inward-open conformation in *E. coli* cells. *Science advances*, 8(41), eabn6845.

Brunner JD, et al. (2020) Structural basis for ion selectivity in TMEM175 K⁺ channels. *eLife*, 9.

Arnold FM, et al. (2020) The ABC exporter IrtAB imports and reduces mycobacterial siderophores. *Nature*, 580(7803), 413.

Brunner JD, et al. (2020) Production and Application of Nanobodies for Membrane Protein Structural Biology. *Methods in molecular biology* (Clifton, N.J.), 2127, 167.

Zimmermann I, et al. (2020) Generation of synthetic nanobodies against delicate proteins. *Nature protocols*, 15(5), 1707.

Hutter CAJ, et al. (2019) The extracellular gate shapes the energy profile of an ABC exporter. *Nature communications*, 10(1), 2260.