Resource Summary Report

Generated by RRID on Aug 18, 2026

pwP

RRID:Addgene_22519
Type: Plasmid

Proper Citation

RRID:Addgene_22519

Plasmid Information

URL: http://www.addgene.org/22519

Proper Citation: RRID:Addgene_22519

Insert Name: MPyV VP1

Organism: Murine Polyomavirus

Bacterial Resistance: Bleocin (Zeocin)

Defining Citation: PMID:19750217

Vector Backbone Description: Backbone Size:5339; Vector Backbone:pGwf; Vector Types:Mammalian Expression; Bacterial Resistance:Bleocin (Zeocin)

Comments: First reference to this plasmid was in: Human Merkel cell polyomavirus infection II. MCV is a common human infection that can be detected by conformational capsid epitope immunoassays. Tolstov YL, Pastrana DV, Feng H, Becker JC, Jenkins FJ, Moschos S, Chang Y, Buck CB, Moore PS. Int J Cancer. 2009 Sep 15.125(6):1250-6 GenBank style annotations can be found at: http://home.ccr.cancer.gov/LCO/packaging.htm

Plasmid Name: pwP

Relevant Mutation: codon modified

Record Creation Time: 20220422T222100+0000

Record Last Update: 20260815T081212+0000

Ratings and Alerts

No rating or validation information has been found for pwP.

No alerts have been found for pwP.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Nguyen NK, et al. (2023) A cluster of broadly neutralizing IgG against BK polyomavirus in a repertoire dominated by IgM. Life science alliance, 6(4).

Vá?ová J, et al. (2022) VirPorters: Insights into the action of cationic and histidine-rich cell-penetrating peptides. International journal of pharmaceutics, 611, 121308.

Horníková L, et al. (2020) The Major Capsid Protein, VP1, of the Mouse Polyomavirus Stimulates the Activity of Tubulin Acetyltransferase 1 by Microtubule Stabilization. Viruses, 12(2).

Horníková L, et al. (2017) VP1, the major capsid protein of the mouse polyomavirus, binds microtubules, promotes their acetylation and blocks the host cell cycle. The FEBS journal, 284(2), 301.

Nelson CD, et al. (2015) Modulation of a pore in the capsid of JC polyomavirus reduces infectivity and prevents exposure of the minor capsid proteins. Journal of virology, 89(7), 3910.

Spanielová H, et al. (2014) The encapsidation of polyomavirus is not defined by a sequence-specific encapsidation signal. Virology, 450-451, 122.

Horníková L, et al. (2011) Blue native protein electrophoresis for studies of mouse polyomavirus morphogenesis and interactions between the major capsid protein VP1 and cellular proteins. Journal of virological methods, 178(1-2), 229.