

Resource Summary Report

Generated by [RRID](#) on Sep 1, 2026

pCMVTNT-T7-KPNA1

RRID:Addgene_26677

Type: Plasmid

Proper Citation

RRID:Addgene_26677

Plasmid Information

URL: <http://www.addgene.org/26677>

Proper Citation: RRID:Addgene_26677

Insert Name: Karyopherin Alpha 1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20701745](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:4050; Vector Backbone:pCMVTNT; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: S73N is a reported SNP in the KPNA1 sequence. For more information, please see: https://www.ncbi.nlm.nih.gov/projects/SNP/snp_ref.cgi?type=rs&rs=4678193

Plasmid Name: pCMVTNT-T7-KPNA1

Relevant Mutation: KPNA1 sequence contains a reported SNP at S73N

Record Creation Time: 20220422T222119+0000

Record Last Update: 20260829T080309+0000

Ratings and Alerts

No rating or validation information has been found for pCMVTNT-T7-KPNA1.

No alerts have been found for pCMVTNT-T7-KPNA1.

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](#) .

Yang TJ, et al. (2022) Tumor suppressor BAP1 nuclear import is governed by transportin-1. The Journal of cell biology, 221(6).

Yoo JS, et al. (2021) SARS-CoV-2 inhibits induction of the MHC class I pathway by targeting the STAT1-IRF1-NLRC5 axis. Nature communications, 12(1), 6602.

Wang Y, et al. (2021) Orthogonal ubiquitin transfer reveals human papillomavirus E6 downregulates nuclear transport to disarm interferon- γ dependent apoptosis of cervical cancer cells. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 35(11), e21986.

von Morgen P, et al. (2018) Nuclear localisation of 53BP1 is regulated by phosphorylation of the nuclear localisation signal. Biology of the cell, 110(6), 137.

Panayotis N, et al. (2018) Importin β 5 Regulates Anxiety through MeCP2 and Sphingosine Kinase 1. Cell reports, 25(11), 3169.

Mock JY, et al. (2017) Structural basis for regulation of the nucleo-cytoplasmic distribution of Bag6 by TRC35. Proceedings of the National Academy of Sciences of the United States of America, 114(44), 11679.

Hwang B, et al. (2015) IPO3-mediated Nonclassical Nuclear Import of NF- κ B Essential Modulator (NEMO) Drives DNA Damage-dependent NF- κ B Activation. The Journal of biological chemistry, 290(29), 17967.