

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

pAAV/D374Y-hPCSK9

RRID:Addgene_58379

Type: Plasmid

Proper Citation

RRID:Addgene_58379

Plasmid Information

URL: <http://www.addgene.org/58379>

Proper Citation: RRID:Addgene_58379

Insert Name: proprotein convertase subtilisin/kexin type 9

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24677271](#)

Vector Backbone Description: Backbone Marker:Applied Viromics, Fremont, CA, USA; Vector Backbone:pAAV/mU6.siRNA.shuttle; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: Insert contains G670E and V474I, which are known SNPs in the human PCSK9 gene,

Plasmid Name: pAAV/D374Y-hPCSK9

Relevant Mutation: D374Y

Record Creation Time: 20220422T222338+0000

Record Last Update: 20260815T081715+0000

Ratings and Alerts

No rating or validation information has been found for pAAV/D374Y-hPCSK9.

No alerts have been found for pAAV/D374Y-hPCSK9.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Wang X, et al. (2026) Tissue-selective COPII modulator SEC16B aggravates cardiovascular disease by promoting lipid export. *The EMBO journal*, 45(11), 3731.

Rademaker G, et al. (2025) PCSK9 drives sterol-dependent metastatic organ choice in pancreatic cancer. *Nature*, 643(8074), 1381.

Liu X, et al. (2025) Cytoplasmic and nuclear NFATc3 cooperatively contributes to vascular smooth muscle cell dysfunction and drives aortic aneurysm and dissection. *Acta pharmaceutica Sinica. B*, 15(7), 3663.

Malenšek Š, et al. (2025) Engineering chimeric PCSK9 for a vaccine against atherosclerosis. *Molecular therapy. Methods & clinical development*, 33(3), 101535.

Wang X, et al. (2021) Receptor-Mediated ER Export of Lipoproteins Controls Lipid Homeostasis in Mice and Humans. *Cell metabolism*, 33(2), 350.

Jarrett KE, et al. (2018) Somatic Editing of Ldlr With Adeno-Associated Viral-CRISPR Is an Efficient Tool for Atherosclerosis Research. *Arteriosclerosis, thrombosis, and vascular biology*, 38(9), 1997.