

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pcDNA3.0 FLAG TRPV4

RRID:Addgene_45751

Type: Plasmid

Proper Citation

RRID:Addgene_45751

Plasmid Information

URL: <http://www.addgene.org/45751>

Proper Citation: RRID:Addgene_45751

Insert Name: TRPV4

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20650893](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5400; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3.0 FLAG TRPV4

Record Creation Time: 20220422T222236+0000

Record Last Update: 20260815T081526+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.0 FLAG TRPV4.

No alerts have been found for pcDNA3.0 FLAG TRPV4.

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](#) .

Zhao H, et al. (2025) Retinol binding protein 4 enhances cellular cholesterol uptake to facilitate influenza A virus infection. PLoS pathogens, 21(10), e1013623.

Trothen SM, et al. (2024) PACS-1 Interacts with TRPC3 and ESyt1 to Mediate Protein Trafficking while Promoting SOCE and Cooperatively Regulating Hormone Secretion. ACS omega, 9(32), 35014.

Long JZ, et al. (2018) Ablation of PM20D1 reveals N-acyl amino acid control of metabolism and nociception. Proceedings of the National Academy of Sciences of the United States of America, 115(29), E6937.

Gentil BJ, et al. (2017) A New Mutation in FIG4 Causes a Severe Form of CMT4J Involving TRPV4 in the Pathogenic Cascade. Journal of neuropathology and experimental neurology, 76(9), 789.

Zhang N, et al. (2017) Multiple target of hAmylin on rat primary hippocampal neurons. Neuropharmacology, 113(Pt A), 241.

Wheeler MA, et al. (2016) Genetically targeted magnetic control of the nervous system. Nature neuroscience, 19(5), 756.